

**Fielden, Daniel**

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**From:** Wilson, Howard  
**Sent:** Wednesday, January 28, 2015 3:24 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Prince, Roy  
**Subject:** RE: Contacts

If you were successful in reaching the union contacts, the meeting can be held tomorrow – I will send out a meeting invite with locations.

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**From:** Dance, Angela - OSHA [mailto:dance.angela@dol.gov]  
**Sent:** Wednesday, January 28, 2015 2:29 PM  
**To:** Wilson, Howard  
**Subject:** RE: Contacts

Howard,

I make contact with the Unions. I apologize, but based on the email below I was not sure if there was a meeting tomorrow. Is the meeting scheduled for tomorrow at 10:00 am and is it being held at Roy's office?

**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Monday, January 26, 2015 3:01 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley; Prince, Roy; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

**Angela: thank you for the clarification -- I'm sure we can find a date that will work for everyone.**

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**From:** Dance, Angela - OSHA <dance.angela@dol.gov>  
**Sent:** Monday, January 26, 2015 2:50 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Howard,

I was actually going to hold the closing conference at the work site. If this date and time does not work for you, it is not in stone.

*Angela*

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Wednesday, January 28, 2015 12:57 PM  
**To:** Dance, Angela - OSHA  
**Subject:** RE: Contacts

Angela:

Have you contacted the unions or are you expecting us to do this for you. I believe that management and safety are ok for Thursday morning.

Howard

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**From:** Dance, Angela - OSHA [<mailto:dance.angela@dol.gov>]  
**Sent:** Tuesday, January 27, 2015 4:45 PM  
**To:** Wilson, Howard  
**Subject:** RE: Contacts

Hi Howard,

I am just opening this email. When I get a date and time of the closing conference, I will notify the Unions by phone. The report is not provided at the closing conference. The report is generated after the inspection is closed and notices of safety/ health hazards (if any) are issued. The closing conference is where I go over my findings observed during the inspection. There is no paperwork provided. The closing conference usually only last about 30 minutes or less unless Management/Union has addition questions or concerns they want me address. I called you before seeing this email today. What I was trying to explain in case you didn't understand my fast talking, the closing conference usually consists of Management Representatives, Union Representatives, and Safety/Health Officials.

*Angela*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 3:41 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carter, Beverly; Carpenter, Wesley  
**Subject:** Fw: Contacts

Angela:

Attached is the contact information for the union representatives. Mr. James is president of AFGE and Mr. Al-Mudallal is president of NTEU. Please cc me and our LER rep. Beverly Carter on your invitation to the unions.

I assume you will be sharing a copy of the report with us in advance of the meeting.

thank you.

Howard

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**From:** Canales, Benjamin  
**Sent:** Monday, January 26, 2015 3:14 PM  
**To:** Wilson, Howard  
**Subject:** Contacts

Nathaniel James - 202-566-2454 [James.nathaniel@Epa.gov](mailto:James.nathaniel@Epa.gov)

Amer Al-Mudallal 202-566-2789 [Al-Mudallal.amer@Epa.gov](mailto:Al-Mudallal.amer@Epa.gov)

**Benjamin Canales**  
**Contractor to the Safety, Health and Environmental Management Division**  
**Tel: 202.564.7836**  
**Fax: 202.564.0215**  
**E-mail: [canales.benjamin@epa.gov](mailto:canales.benjamin@epa.gov)**



## Fielden, Daniel

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**From:** Prince, Roy  
**Sent:** Wednesday, April 08, 2015 3:03 PM  
**To:** Wilson, Howard;Fielden, Daniel  
**Subject:** FW: Report  
**Attachments:** SKMBT\_C55215040108020.pdf

Howard: meant to send this to you as well. She'd sent me an advanced copy last week.

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**From:** Prince, Roy  
**Sent:** Wednesday, April 08, 2015 2:55 PM  
**To:** Fielden, Daniel  
**Subject:** FW: Report

I've put these up in the 5<sup>th</sup> floor pantries.

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**From:** Dance, Angela - OSHA [<mailto:dance.angela@dol.gov>]  
**Sent:** Wednesday, April 01, 2015 11:43 AM  
**To:** Prince, Roy  
**Subject:** Report

Hi Roy,

I have attached a copy of the notices of unsafe or unhealthful working conditions that were issued.

*Angela C. Dance  
Industrial Hygienist  
Baltimore Washington Area Office  
1099 Winterson Road, Suite 140  
Linthicum, MD 21090  
Phone: 410-865-2055 Fax: 410-865-2068*



**Fielden, Daniel**

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**From:** Wilson, Howard  
**Sent:** Monday, February 02, 2015 9:06 PM  
**To:** Dance, Angela - OSHA  
**Subject:** RE: Accepted: OSHA Outbrief on Pesticide Incident at Potomac Yard

That's fine. We'll all get the information together

Sent from my Windows Phone

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**From:** Dance, Angela - OSHA  
**Sent:** 2/2/2015 9:13 AM  
**To:** Wilson, Howard  
**Subject:** RE: Accepted: OSHA Outbrief on Pesticide Incident at Potomac Yard

Howard,

If I did this, the other management officials would need to be involved and this would be considered your closing conference. I would contact the Unions and hold a separate closing conference.

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Monday, February 02, 2015 8:48 AM  
**To:** Dance, Angela - OSHA  
**Subject:** RE: Accepted: OSHA Outbrief on Pesticide Incident at Potomac Yard

Angela:

Thanks for the confirmation. Is there a time we can talk tomorrow regarding your major observations. I am off today.

Sent from my Windows Phone

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**From:** Dance, Angela - OSHA  
**Sent:** 2/2/2015 6:56 AM  
**To:** Wilson, Howard  
**Subject:** Accepted: OSHA Outbrief on Pesticide Incident at Potomac Yard

Good morning Howard, I will be there.

Angela





**Fielden, Daniel**

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**From:** Dance, Angela - OSHA <[dance.angela@dol.gov](mailto:dance.angela@dol.gov)>  
**Sent:** Monday, January 26, 2015 3:06 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

You are welcome Howard.

*Angela*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 3:01 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley; Prince, Roy; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Angela: thank you for the clarification -- I'm sure we can find a date that will work for everyone.

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**From:** Dance, Angela - OSHA <[dance.angela@dol.gov](mailto:dance.angela@dol.gov)>  
**Sent:** Monday, January 26, 2015 2:50 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Howard,

I was actually going to hold the closing conference at the work site. If this date and time does not work for you, it is not in stone.

*Angela*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 2:36 PM  
**To:** Dance, Angela - OSHA  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

thanks Angela -- Thursday might be a little soon but I will copy Roy and labor employee relations on your email and see if we can do Thursday at 10 --How our office should be ok, we have a HQ SHEM meeting scheduled at that time. I can set up a conf. line if all works out.

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**From:** Dance, Angela - OSHA <[dance.angela@dol.gov](mailto:dance.angela@dol.gov)>  
**Sent:** Monday, January 26, 2015 2:24 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Hi Mr. Wilson,

I knew that Cassie retired, thanks.. I was actually going to be giving you a call tomorrow (I am working from home today) to possibly schedule a closing conference for Thursday, January 29, 2015 at 10:00 am. I need to

know who I would call to schedule this meeting you or Roy? I also have to notify and invite representation from NTEU and AFGE.

*Angela C. Dance  
Industrial Hygienist  
Baltimore Washington Area Office  
1099 Winterson Road, Suite 140  
Linthicum, MD 21090  
Phone: 410-865-2055 Fax: 410-865-2068*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 1:54 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley  
**Subject:** Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Ms. Dance: I thought I would let you know that Cassie Watson has retired. I am filling her position until we complete our recruitment action. Please email or call me if you have any questions or need additional information to complete your inspection report. I would appreciate it if you could project a date when we will receive your report -- I've received a few inquiries and would like to come to closure on this matter, soon.

thank you.

Howard Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
202-564-1646; cell: 202-497-5025

**Fielden, Daniel**

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**From:** Dance, Angela - OSHA <dance.angela@dol.gov>  
**Sent:** Thursday, January 29, 2015 2:15 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Thank you Howard

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Thursday, January 29, 2015 11:57 AM  
**To:** Dance, Angela - OSHA  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Thanks Angela – I will hopefully get around to sending the meeting invite this afternoon

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**From:** Dance, Angela - OSHA [mailto:dance.angela@dol.gov]  
**Sent:** Thursday, January 29, 2015 11:09 AM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Good morning Howard,

We had a power failure this morning and our system is just coming back up. The days are fine with the exception of Thursday, I have a 1:00 pm closing with an agency in D.C. I can do it on Thursday if it is held in the morning probably no later than 10:30 am. Thank you.

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Wednesday, January 28, 2015 3:32 PM  
**To:** Dance, Angela - OSHA; Prince, Roy  
**Cc:** Carpenter, Wesley; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Thanks Angela – I will send a meeting invite to all parties by viewing their calendars – are there any better or worse times for you next week. I plan to schedule the meeting for T, W or Th.

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**From:** Dance, Angela - OSHA [mailto:dance.angela@dol.gov]  
**Sent:** Wednesday, January 28, 2015 3:16 PM  
**To:** Prince, Roy; Wilson, Howard  
**Cc:** Carpenter, Wesley; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Hello Howard,

I have just been instructed by my Acting Area Director that I need to reschedule my closing conference to next week. Can you provide me with a date, time and location when this can take place. Thank you.

*Angela*

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**From:** Prince, Roy [mailto:Prince.Roy@epa.gov]  
**Sent:** Wednesday, January 28, 2015 2:57 PM  
**To:** Wilson, Howard; Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Howard: Angela just called me asking if the meeting is still on for tomorrow morning or if you intended to push it into next week? I told her I'd send you this email and I'm sure you'd be getting back to her. Thanks.

Roy

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**From:** Wilson, Howard  
**Sent:** Monday, January 26, 2015 3:01 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley; Prince, Roy; Carter, Beverly; Barbour-Swann, Shuan  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Angela: thank you for the clarification -- I'm sure we can find a date that will work for everyone.

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**From:** Dance, Angela - OSHA <dance.angela@dol.gov>  
**Sent:** Monday, January 26, 2015 2:50 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Howard,

I was actually going to hold the closing conference at the work site. If this date and time does not work for you, it is not in stone.

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Monday, January 26, 2015 2:36 PM  
**To:** Dance, Angela - OSHA  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

thanks Angela -- Thursday might be a little soon but I will copy Roy and labor employee relations on your email and see if we can do Thursday at 10 --How our office should be ok, we have a HQ SHEM meeting scheduled at that time. I can set up a conf. line if all works out.

---

**From:** Dance, Angela - OSHA <dance.angela@dol.gov>  
**Sent:** Monday, January 26, 2015 2:24 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Hi Mr. Wilson,

I knew that Cassie retired, thanks.. I was actually going to be giving you a call tomorrow (I am working from home today) to possibly schedule a closing conference for Thursday, January 29, 2015 at 10:00 am. I need to know who I would call to schedule this meeting you or Roy? I also have to notify and invite representation from NTEU and AFGE.

*Angela C. Dance  
Industrial Hygienist  
Baltimore Washington Area Office  
1099 Winterson Road, Suite 140  
Linthicum, MD 21090  
Phone: 410-865-2055 Fax: 410-865-2068*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 1:54 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley  
**Subject:** Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Ms. Dance: I thought I would let you know that Cassie Watson has retired. I am filling her position until we complete our recruitment action. Please email or call me if you have any questions or need additional information to complete your inspection report. I would appreciate it if you could project a date when we will receive your report -- I've received a few inquiries and would like to come to closure on this matter, soon.

thank you.

Howard Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
202-564-1646; cell: 202-497-5025



## Fielden, Daniel

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**From:** Carter, Beverly  
**Sent:** Monday, January 26, 2015 3:08 PM  
**To:** Prince, Roy  
**Cc:** Wilson, Howard; Carpenter, Wesley  
**Subject:** Re: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Hi Howard,

I can also make the meeting at 10am on Thursday.

It appears that the email asks for union contact information. I recommend that you provide AFGE- Nathaniel James and NTEU- Amer Al-Mudallal email and phone contact information.

As a courtesy, once I receive the invitation, I will forward to the union.

Please feel free to call me with questions. Today, I can be reached at 202-285-3674.

Thanks!

Beverly

On Jan 26, 2015, at 2:48 PM, "Prince, Roy" <[Prince.Roy@epa.gov](mailto:Prince.Roy@epa.gov)> wrote:

10 on Thursday works for me Howard. Thanks.

Roy

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**From:** Wilson, Howard  
**Sent:** Monday, January 26, 2015 2:40 PM  
**To:** Carter, Beverly; Prince, Roy  
**Cc:** Carpenter, Wesley  
**Subject:** Fw: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Roy/Beverly: just heard from Angela today -- SHEMD can do 10 am on Thursday but I told Angela that getting the unions notified and having both of you present could be a challenge. Please let me know if 10 am works for both of you. Beverly: I presume that you will reach out to the union reps. on their availability. I will gladly send a meeting invite with conf. call arrangements once I get confirmation from you on everyone's availability.

thanks

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**From:** Dance, Angela - OSHA <[dance.angela@dol.gov](mailto:dance.angela@dol.gov)>  
**Sent:** Monday, January 26, 2015 2:24 PM  
**To:** Wilson, Howard  
**Subject:** RE: Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Hi Mr. Wilson,

I knew that Cassie retired, thanks.. I was actually going to be giving you a call tomorrow (I am working from home today) to possibly schedule a closing conference for Thursday, January 29, 2015 at 10:00 am. I need to know who I would call to schedule this meeting you or Roy? I also have to notify and invite representation from NTEU and AFGE.

*Angela C. Dance*  
*Industrial Hygienist*  
*Baltimore Washington Area Office*  
*1099 Winterson Road, Suite 140*  
*Linthicum, MD 21090*  
*Phone: 410-865-2055 Fax: 410-865-2068*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Monday, January 26, 2015 1:54 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Carpenter, Wesley  
**Subject:** Inspection Report for Potomac Yard Pesticide Incident at EPA's office space

Ms. Dance: I thought I would let you know that Cassie Watson has retired. I am filling her position until we complete our recruitment action. Please email or call me if you have any questions or need additional information to complete your inspection report. I would appreciate it if you could project a date when we will receive your report -- I've received a few inquiries and would like to come to closure on this matter, soon.

thank you.

Howard Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
202-564-1646; cell: 202-497-5025



**Fielden, Daniel**

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**From:** Barbour-Swann, Shuan  
**Sent:** Tuesday, March 10, 2015 10:51 AM  
**To:** Fielden, Daniel  
**Subject:** FW: Status of OSHA's Notices and Written Report on the 1PY Insecticide Release Incident

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**From:** Carpenter, Wesley  
**Sent:** Tuesday, March 10, 2015 8:09 AM  
**To:** Noga, Vaughn  
**Cc:** Petrole, Maryann; Blankenship, Steven; Wilson, Howard; Barbour-Swann, Shuan  
**Subject:** Status of OSHA's Notices and Written Report on the 1PY Insecticide Release Incident

Vaughn:

We are still awaiting OSHA's report of findings on the One Potomac Yard Insecticide release in July 2014. At this time, it is uncertain when we will receive it but will continue to pulse OSHA for it (see forwarded email from OSHA). In the interim, please let me know if you have any questions. Thanks.

Wes

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**From:** Dance, Angela - OSHA [<mailto:dance.angela@dol.gov>]  
**Sent:** Tuesday, March 10, 2015 8:04 AM  
**To:** Wilson, Howard  
**Cc:** Barbour-Swann, Shuan; James, Nathaniel; Al-Mudallal, Amer; Kammerman, Cheryl - OSHA; O'Donnell, Maureen - OSHA; Prince, Roy; Carpenter, Wesley  
**Subject:** RE: Status of Notices and Written Report

Good morning Howard,

I have turned in my report of findings for you agency. Once the Area Director has reviewed those findings, you will receive the Notice of Unsafe and Unhealthful Working Conditions, if any are to be issued. I do not have a status on when that will be. You may call and asked for the Acting Area Director, Cheryl Kammerman at (410)865-2055 for more information or if you have further questions. Thank you.

*Angela C. Dance  
Industrial Hygienist  
Baltimore Washington Area Office  
1099 Winterson Road, Suite 140  
Linthicum, MD 21090  
Phone: 410-865-2055 Fax: 410-865-2068*

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**From:** Wilson, Howard [<mailto:Wilson.Howard@epa.gov>]  
**Sent:** Friday, March 06, 2015 3:57 PM

**To:** Dance, Angela - OSHA

**Cc:** Barbour-Swann, Shuan; Carpenter, Wesley; Prince, Roy

**Subject:** Status of Notices and Written Report

Angela: Any update on when EPA might expect closure products for your investigation of the pesticide incident at EPA's offices in Potomac Yard, Crystal City, VA? After our outbriefing, I was under the impression that there would be a written communication from your office.

Thank you,

Howard

Howard O. Wilson, Deputy Director

Safety, Health and Environmental Management Division

Office of Administration, OARM

202-564-1646

<http://intranet.epa.gov/oaintran/shemd/national/>

## Fielden, Daniel

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**From:** Dance, Angela - OSHA <dance.angela@dol.gov>  
**Sent:** Monday, April 13, 2015 2:49 PM  
**To:** Wilson, Howard  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

You are welcome Howard. If Shaun needs help correcting the record keeping violation. Let me know and I will send her a more detailed list of what was wrong with some of the columns.

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Monday, April 13, 2015 2:44 PM  
**To:** Dance, Angela - OSHA  
**Cc:** Schulman, Marvin; Patel, Aster; Barbour-Swann, Shuan; Carpenter, Wesley  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

Thanks Angela.

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**From:** Dance, Angela - OSHA [mailto:dance.angela@dol.gov]  
**Sent:** Monday, April 13, 2015 11:08 AM  
**To:** Wilson, Howard  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

Good morning Howard,

The Unions copy was sent out I believe last Thursday. The Union's copy is sent out after we receive the green receipt card back from the employer. They should get their copy today or sometimes this week.

*Angela*

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**From:** Wilson, Howard [mailto:Wilson.Howard@epa.gov]  
**Sent:** Friday, April 10, 2015 5:59 PM  
**To:** Schulman, Marvin; Patel, Aster  
**Cc:** Carpenter, Wesley; Dance, Angela - OSHA  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

I know that OSHA has contacted the unions throughout their inspection efforts. I'll cc the OSHA inspector on this email.

Sent from my Windows Phone

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**From:** Schulman, Marvin  
**Sent:** 4/10/2015 4:58 PM  
**To:** Wilson, Howard; Patel, Aster  
**Cc:** Carpenter, Wesley  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

Thanks Howard – we'll be in touch once we've had a chance to review the attached documents.

On a related note, I thought I understood an earlier email(>) to say that the Union would be provided a copy of the report by OSHA...do you know if that ever happened (were they cc'ed?)

Marvin

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**From:** Wilson, Howard  
**Sent:** Friday, April 10, 2015 4:42 PM  
**To:** Schulman, Marvin; Patel, Aster  
**Cc:** Carpenter, Wesley  
**Subject:** RE: Potomac Yards Pesticide Incident (Union Inquiry)

Marvin/Aster: I received information from OSHA on Tuesday (attached) which was limited to notices of unsafe or unhealthful conditions of an "other than serious" nature. The notices focused on some record keeping issues and the need for employee and supervisor training. A closing conference by the OSHA inspector, Angela Dance, occurred on Feb. 4, 2015 and included representatives from LER, OA management, SHEMD, ORCR and one of the unions. In accordance with the instructions accompanying the notices, we have posted the notices in the pantries of the 5<sup>th</sup> and 6<sup>th</sup> floors of PY North. I would appreciate if you or Aster would provide the attached information to the union representatives. Please contact Wes Carpenter or me if you have any questions.

Howard

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**From:** Schulman, Marvin  
**Sent:** Tuesday, April 07, 2015 5:44 PM  
**To:** Wilson, Howard  
**Cc:** Patel, Aster  
**Subject:** Potomac Yards Pesticide Incident (Union Inquiry)

Howard --

I'm wrapping up a detail in OHR's Labor Relations program, but wanted to reach out to you to ask if OSHA has issued their report on the PY pesticides incident. We (Aster Patel – an LER colleague and I) are trying to determine how to respond to a union information request in which they ask for a copy of the report. If they have issued the report, we would appreciate receiving a copy (and ask that you send it to Aster.) If the report has not been issued yet, do we have any idea when we should expect to see it?

Thanks!

Marvin  
X7778

**U.S. Department of Labor**

Occupational Safety and Health Administration  
1099 Winterson Road  
Suite 140  
Linthicum, MD 21090  
Phone: 410-865-2055 Fax: 410-865-2068



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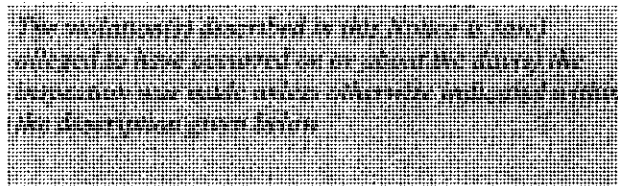
## Notice of Unsafe or Unhealthful Working Conditions

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**To:**  
U.S. Environmental Protection Agency  
2733 Crystal Drive  
Fifth floor  
Arlington, VA 22202

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 - 02/04/2015  
**Issuance Date:** 03/17/2015

**Inspection Site:**  
2733 Crystal Drive  
Fifth floor  
Arlington, VA 22202



This Notice of Unsafe and Unhealthful Working Conditions (Notice) describes violations of the Occupational Safety and Health Act of 1970, the Executive Order 12196, and 29 CFR 1960, Basic Program Elements for Federal Employee Occupational Safety and Health Programs and Related Matters. You must abate the violations referred to in this Notice by the dates listed unless, within 15 working days (excluding weekends and Federal holidays) from your receipt of this Notice you request an Informal Conference with the US Department of Labor OSHA Area Office at the address shown above. Please refer to the enclosed publication "Federal Employer Rights and Responsibilities Following an OSHA Inspection" which outlines the appeals procedure for this Notice and which should be read in conjunction with this form.

**Posting** – The law requires that a copy of this Notice be posted immediately in a prominent place at or near the location of the violation(s) cited herein, or, if it is not practicable because the nature of the employer's operations, where it will be readily observable by all affected employees. This Notice must remain posted until the violation(s) cited herein has (have) been abated, or for 3 working days (excluding weekends and Federal holidays), whichever is longer.

**Notification of Corrective Action** – For each violation which you do not appeal, you must provide abatement certification to the Area Director of the OSHA office issuing the Notice and identified above. This abatement certification is to be provided by letter within 10 calendar days after each abatement date. Abatement certification includes the date and method of abatement. If the Notice indicates that the violation was corrected during the inspection, no abatement certification is required for that item. The abatement certification letter must

be posted at the location where the violation appeared and the corrective action took place or employees must otherwise be effectively informed about abatement activities. A template abatement certification letter is enclosed with this Notice. In addition, where the Notice indicates that abatement documentation is required, evidence of the purchase or repair of equipment, photographs or video, receipts, training records, etc., verifying that abatement has occurred is required to be provided to the Area Director.

**Program Responsibilities** - Section 19(a)(1) of the OSH Act requires the head of each Federal agency to comply with applicable occupational safety and health standards. The intent of this section and Executive Order 12196 is implemented through 29 CFR 1960.8(b). If you are cited for violations of applicable safety and health standards, you have also violated the program element 29 CFR 1960.8(b), which stipulates:

*"The head of each agency shall comply with the Occupational Safety and Health Administration standards applicable to the agency."*

**Informal Conference** – An informal conference is not required. However, if you wish to have such a conference you may request one with the Area Director within 15 working days after receipt of this Notice. As soon as the time, date, and place of the informal conference have been determined please complete the enclosed "Notice to Employees" and post it where the Notice is posted. During such an informal conference you may present any evidence or views you believe would support an adjustment to the Notice. In addition, bring to the conference any and all supporting documentation of existing conditions as well as any abatement steps taken thus far.

If you are considering a request for an informal conference to discuss any issues related to the Notice, you must take care to schedule it early enough to allow time to appeal after the informal conference should you decide to do so. Please keep in mind that a written letter of intent to appeal must be submitted by the Agency's National OSH Manager to the OSHA Area Director within 15 business days of your receipt of the OSHA Notice to request that OSHA's Regional Administrator review the case.

**Inspection Activity Data** – You should be aware that OSHA publishes information on its inspection and notice activity on the Internet under the provisions of the Electronic Freedom of Information Act. The information related to these alleged violations will be posted when our system indicates that you have received this notice. You are encouraged to review the information concerning your establishment at [www.OSHA.gov](http://www.OSHA.gov). If you have any dispute with the accuracy of the information displayed, please contact this office.



## NOTICE TO EMPLOYEES

An informal conference has been scheduled with the Occupational Safety and Health Administration (OSHA) to discuss the Notice of Unsafe or Unhealthful Working Conditions (Notice) issued on 03/17/2015. The conference will be held by telephone or at the OSHA office located at 1099 Winterson Road, Suite 140, Linthicum, MD 21090 on \_\_\_\_\_ at \_\_\_\_\_. Employees and/or representatives of employees have a right to attend an informal conference.

## CERTIFICATION OF CORRECTIVE ACTION WORKSHEET – FEDERAL AGENCIES

**Inspection Number:** 1004462

Agency Name: U.S. Environmental Protection Agency

Inspection Site: 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

Issuance Date: 03/17/2015

**Employer Instruction:** List the specific method of correction for each item on the enclosed notices that does not read "Corrected During Inspection" and return to: **U.S. Department of Labor – Occupational Safety and Health Administration, 1099 Winterson Road, Suite 140, Linthicum, MD 21090.** Failure to submit a timely certification of corrective action may result in a notification to your agency DASHO.

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Notice Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

I certify that the information contained in this document is accurate and that the affected employees and their representatives have been informed of the abatement.

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Title**

**NOTE:** 29 USC 666(g) whoever knowingly makes any false statements, representation or certification in any application, record, plan or other documents filed or required to be maintained pursuant to the Act shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment of not more than 6 months or both.

**POSTING:** A copy of completed Corrective Action Worksheet should be posted for employee review.



**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

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**Notice 1 Item 1**      Type of Violation: **Other-than-Serious**

29 CFR 1904.32(a)(1): A review of the OSHA Log of Recordable Work-Related Injuries and Illnesses (OSHA Form 300 or equivalent) was not completed to ensure the Log was accurate and complete, and/or deficiencies were not identified and corrected at the end of each calendar year:

(a) EPA - On or about October 22, 2014, recordable employee injuries on the 2014 300 log of work-related injuries and illnesses were not completed and/or filled out correctly in that columns C, F, H, and K, contained inaccuracies or incorrect information; and the employer did not review the log at the end of the calendar year to ensure it was accurate and complete with no deficiencies.

(b) EPA - On or about February 4, 2015, information regarding recordable employee injuries on the 2014 300 log were not correctly transposed to the 300A Summary of Work-Related Injuries and Illnesses in that columns H, K, M1, M2, and M6 were not calculated correctly; and the employer did not review the log to ensure that it was accurate and complete with no deficiencies at the end of the calendar year.

Abatement certification required within 10 days after abatement date. The certification shall include a statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 03/22/2015

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

**Notice 1 Item 2**      Type of Violation: **Other-than-Serious**

29 CFR 1904.32(b)(1): The employer did not extensively review the OSHA 300A Annual Summary to ensure that entries are correct and complete:

(a) EPA - On or about February 4, 2015, the employer's certified 2014 300 log was not reviewed extensively to ensure that entries were correct and complete in that columns C, F, H, and K, were not completed and/or filled out correctly.

(b) EPA - On or about February 4, 2015, the employer's certified 2014 300A Summary of Work-Related Injuries and Illnesses was not reviewed extensively to ensure that entries were correct and complete in that columns H, K, M1, M2, and M6 were not calculated correctly.

Abatement certification required within 10 days after abatement date. The certification shall include a statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 03/22/2015

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

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**Notice 1 Item 3**      Type of Violation: **Other-than-Serious**

29 CFR 1904.40(a): The employer did not provide an authorized government representative requested records within the four business-hour timeframe.

(a) EPA - On or about October 22, 2014, a copy of the employer's record of recordable injuries and illnesses was requested by the Compliance Safety and Health Officer (CSHO) and not provided to CSHO until October 28, 2014.

Date by which Violation must be Abated:    Corrected During Inspection

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

**Notice 1 Item 4**      Type of Violation: **Other-than-Serious**

29 CFR 1960.55(a): 29 CFR 1960.55(a): The Agency did not provide safety and health training for supervisory employees:

(a) 5th Floor EPA Potomac Yard Workspace - On or about October 21, 2014, the agency had not provided occupational safety and health training to a senior management official who, having the responsibility for providing and maintaining safe and healthful working conditions for employees, sprayed a pesticide (Garden Safe Houseplant & Garden Insect Killer) in the workspace, causing the generation of an odor that appears to have resulted in health reactions in some of the employees.

Abatement certification required within 10 days after abatement date. The certification shall include a statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 04/19/2015

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

**Notice 1 Item 5**      Type of Violation: **Other-than-Serious**

29 CFR 1960.59(a): 29 CFR 1960.59(a): The Agency did not provide appropriate safety and health training for employees:

(a) 5th Floor EPA Potomac Yard Workspace - On or about October 22, 2014, employees had not received safety and health training. Such training informs employees of the agency occupational safety and health program, with emphasis on employee rights and responsibilities.

Abatement certification required within 10 days after abatement date. The certification shall include a statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 04/19/2015

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

**Notice 1 Item 6**      Type of Violation: **Other-than-Serious**

29 CFR 1960.59(b): The Agency did not provide occupational safety and health training for employees of the agency who are representatives of employee groups, such as labor organizations which are recognized by the agency, shall include both introductory and specialized courses and materials that will enable such groups to function appropriately in ensuring safe and healthful working conditions and practices in the workplace and enable them to effectively assist in conducting workplace safety and health inspections:

(a) 5th Floor EPA Potomac Yard Workspace - On or about October 22, 2014, Representatives from AFGE and NTEU, who represent the employees who appeared to have had health reactions to a pesticide that was released in the work space, had not received safety and health training from the employer.

Abatement certification required within 10 days after abatement date. The certification shall include a statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 04/19/2015

  
\_\_\_\_\_  
Cheryl Kummerman  
Acting Area Director

## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Tuesday, August 19, 2014 8:23 AM  
**To:** Prince, Roy; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Re: Environmental Study

I will invite -- don't know her availability -- will confirm today if possible

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy  
**Sent:** Monday, August 18, 2014 4:07 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** RE: Environmental Study

OK. To the extent that another FOH Dr. could be up to speed with the Dr. Holland's findings and thoughts, I think that would work in light of the fact that Dr. Granger will be there also but not available the next week. How about Dr. Nguyen -- will she be available for the meeting?

Roy

---

**From:** Wilson, Howard  
**Sent:** Monday, August 18, 2014 3:59 PM  
**To:** Prince, Roy; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Re: Environmental Study

He is on vacation until Sept 5 -- we could have another FOH doc sub for him -- I agree Friday is a bad day and I expected your response -- Unfortunately Hugh's availability goes away the following week.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy  
**Sent:** Monday, August 18, 2014 3:56 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** RE: Environmental Study

Thank you Howard. However, the 5<sup>th</sup> is not doable. It's a Friday and many people are out of the office. How about the 3<sup>rd</sup>? Is Dr. Holland available that day? It's a Wednesday and I reserved the room for that day as well.

---

**From:** Wilson, Howard  
**Sent:** Monday, August 18, 2014 3:55 PM  
**To:** Prince, Roy; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Re: Environmental Study

Roy: Dr. Holland is not available on Sept 4 but is available on the 5th -- I will invite Thuy Nguyen if you think it is important to have her there --don't know her availability. Otherwise your response is fine.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy  
**Sent:** Monday, August 18, 2014 12:22 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** FW: Environmental Study

Howard/Cassie: I've received a question below from one our impacted employees. I would like to answer back as follows:

**Yes, there is an active ongoing environmental study being conducted by HP Environmental, a firm that SHEMD has contracted with. An ORCR All-hands meeting will be held on Thursday, September 4<sup>th</sup> that will include Dr. Holland, the toxicologist from HP Environmental, and Dr. Thuy Nguyen from EPA's Analytical Chemistry Lab at Ft. Meade. If the results of the study are made know prior to the All-hands they will be shared immediately with the staff. If not, the results of the study up to that point will be made known at the meeting.**

Please let me know if my proposed answer is factual and if it appears to be a proper response in your estimation. Thank you.

Roy

---

**From:** Englander, Jana  
**Sent:** Monday, August 18, 2014 8:36 AM  
**To:** Prince, Roy  
**Subject:** Environmental Study

Hello Roy,

Last week when I spoke to Dr. Holland, he mentioned that EPA was about to start on an environmental study last week on the fifth floor. There wasn't anything with regards to that in your updates from last week. Could you please verify whether or not there is an active environmental study, what it entails and when results will be known?

Thanks,

Jana

**Jana Englander**  
Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
703-308-8711



## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Tuesday, September 30, 2014 5:22 PM  
**To:** Fielden, Daniel  
**Cc:** Barbour-Swann, Shuan  
**Subject:** FW: 5th Floor Space Update as of Monday, September 29th

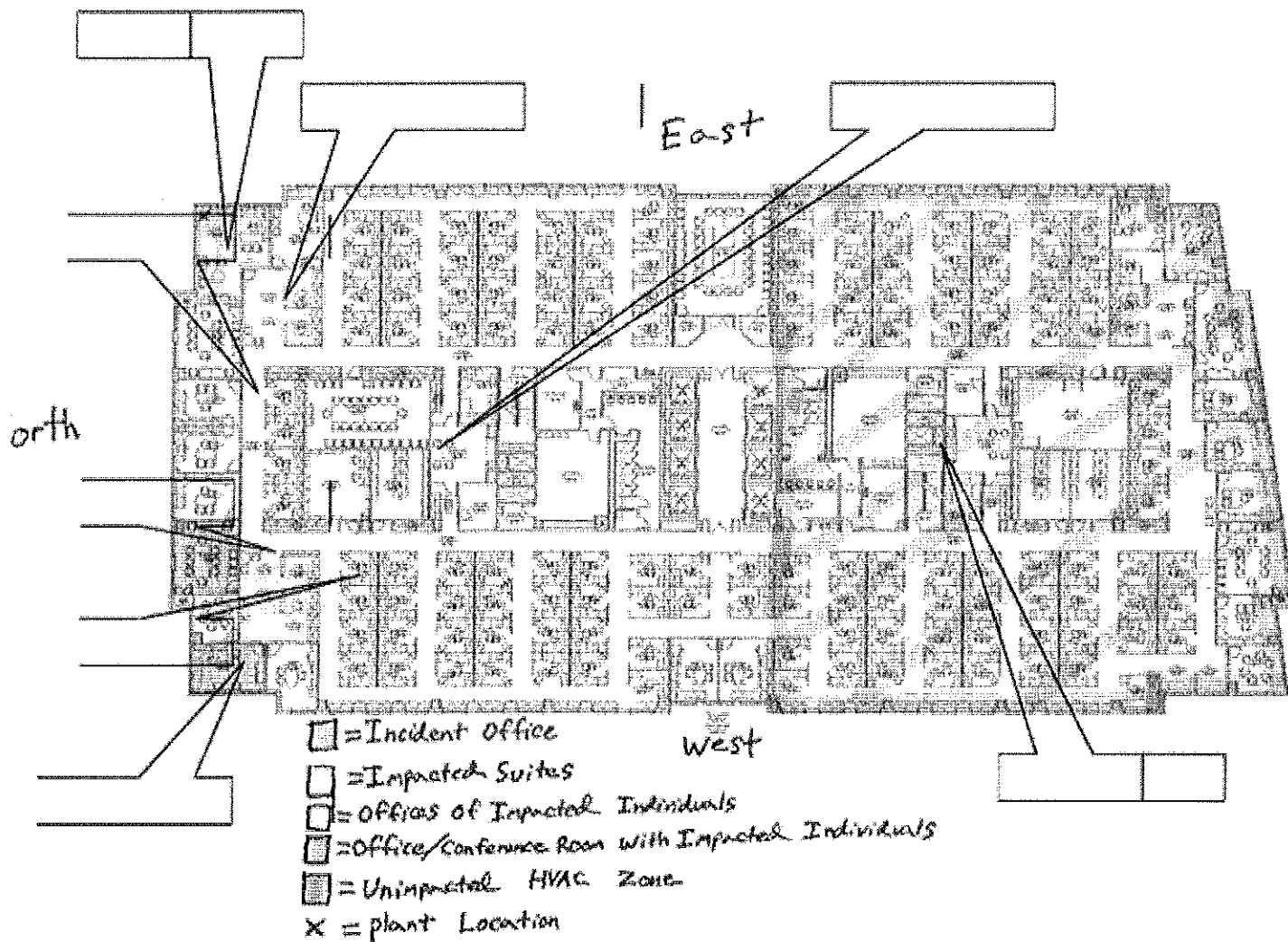
FYI

---

**From:** Prince, Roy  
**Sent:** Tuesday, September 30, 2014 1:42 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Behan, Frank; Devlin, Betsy; (b) (6) Huff, Mark J  
**Subject:** RE: 5th Floor Space Update as of Monday, September 29th

Hello Howard: (b) (6) has asked a question regarding the methodology employed for deciding what 5<sup>th</sup> floor areas to test in the air quality testing done on August 27<sup>th</sup> (see her email below please that I highlighted in yellow). At the time of the incident and for some time after, [REDACTED] was residing in a cube within the "Unimpacted HVAC Zone" shown in the chart, but still incurred a reaction. I'm making an assumption that [REDACTED] asking to determine why those areas were not tested as well (correct me if I'm wrong [REDACTED]). Thanks for any light you can shed on her question.

Roy



TIDEWATER INC

082714-A01/W01

082714-A02/W02

082714-A07/W07

714-A03/W03

14-A04/W04

14-A05/W05

082714-A06/W06

082714-A08/W08

Attachment B – Figure 1

**EPA Potomac Yard (North) – 5th Floor**

Scale: N/A

General Notes

082714-A09/W09 collected in Conference Room 4840

**2733 Crystal Drive  
Arlington, VA 22202**

Project #: 5379-005

Date: August 27, 2014

(un-impacted Area) on the 4<sup>th</sup> Floor. Ob2714-A10/W10 are Field Blank samples.

---

**From:** [REDACTED]  
**Sent:** Tuesday, September 30, 2014 1:26 PM  
**To:** Prince, Roy  
**Cc:** Behan, Frank; Devlin, Betsy  
**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Hello Roy,

I scanned the report attached in the email below. I would be interested in how these folks determined the individuals and spaces that were impacted and those that were not. Based on the last page, where a map indicates the various zones, I am located in a space and am an individual who was not impacted. Not sure if the results of the sampling would change, but the recommended actions might, if a more accurate picture was made of those of us impacted and where we were located.

Thanks for providing the update.

[REDACTED]  
[REDACTED]  
Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
[REDACTED]

---

**From:** Prince, Roy  
**Sent:** Monday, September 29, 2014 4:42 PM  
**To:** OSWER ORCR EVERYONE  
**Cc:** Wilson, Howard; Watson, Cassie; Carpenter, Wesley; Fielden, Daniel  
**Subject:** 5th Floor Space Update as of Monday, September 29th

Hello everyone- here is the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Monday, September 29th:

- Attached above is the final Indoor Air Quality sampling report conducted on the 5<sup>th</sup> floor on August 27, 2014. As previously reported, all air and surface wipe samples revealed concentrations below detection limits for Pyrethrum and Piperonyl butoxide and there was no evidence of residual contamination.
- SHEMD has informed us that on Wednesday, October 1, 2014, at 7:00 a.m., as an additional precautionary step contractors from Federal Occupational Health and SHEMD will be on-site performing

limited scope environmental sampling. The scope of this sampling is targeted at determining any presence of viable and non-viable fungi in a limited area. Results of that testing will be shared immediately upon receipt.

- ORCR is still working with SHEMD to determine the date for the next ORCR All-hands meeting for the purpose of informing us of any additional findings. That meeting is expected to occur sometime during the first two weeks of October.

We will continue to let you know information as we receive it, along with sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your continued patience and let me and/or your managers know if there is anything we can do to help.

Roy

**Fielden, Daniel**

---

**From:** Wilson, Howard  
**Sent:** Wednesday, October 01, 2014 12:18 PM  
**To:** Watson, Cassie  
**Cc:** Carpenter, Wesley; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** Fw: 5th Floor Space Update as of Monday, September 29th

Fyi and your thoughts on a response

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** (b) (6)  
**Sent:** Wednesday, October 1, 2014 11:15 AM  
**To:** (b) (6); Prince, Roy; Wilson, Howard; Watson, Cassie  
**Cc:** Behan, Frank; Devlin, Betsy; Huff, Mark J; Fitz-James, Schatzi; Hoffman, Stephen  
**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Howard,

I totally agree with (b) (6). This casts even more doubt and questions about what was done and what it really proves, if anything. Is this a scientific based approach? What is your basis for saying it is safe if individuals still have health responses to the exposure this many months after the incident. What do you think the physicians of individuals impacted would recommend about what is safe and prudent to do in these situations? Shooting in the dark makes it very hard to know if you hit anything. How will we know when we can return? Who's job is it to allow us to be able to return to our workplace? (b) (6)

(b) (6) Friday it will be 3 months and counting. What is the goal here?

(b) (6)  
(b) (6)  
Waste Characterization Branch  
Materials Recovery & Waste Management Division  
Office of Resource Conservation & Recovery  
U.S Environmental Protection Agency (MC-5304P)  
1200 Pennsylvania Ave, NW  
Washington, D.C. 20460

(b) (6)  
(b) (6)  
Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

---

**From:** (b) (6)  
**Sent:** Tuesday, September 30, 2014 1:46 PM  
**To:** Prince, Roy; Wilson, Howard; Watson, Cassie

**Cc:** Behan, Frank; Devlin, Betsy; Huff, Mark J

**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Thank you Roy. Yes, why wasn't the southwest area tested. Also, it would be interesting to see a map of ALL the individuals that were impacted and where their office space resides. I presume there is a list somewhere of each individual who made a complaint of symptoms.

Thanks,

(b) [REDACTED]

(6) [REDACTED]

Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
[REDACTED]

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**From:** Prince, Roy

**Sent:** Tuesday, September 30, 2014 1:42 PM

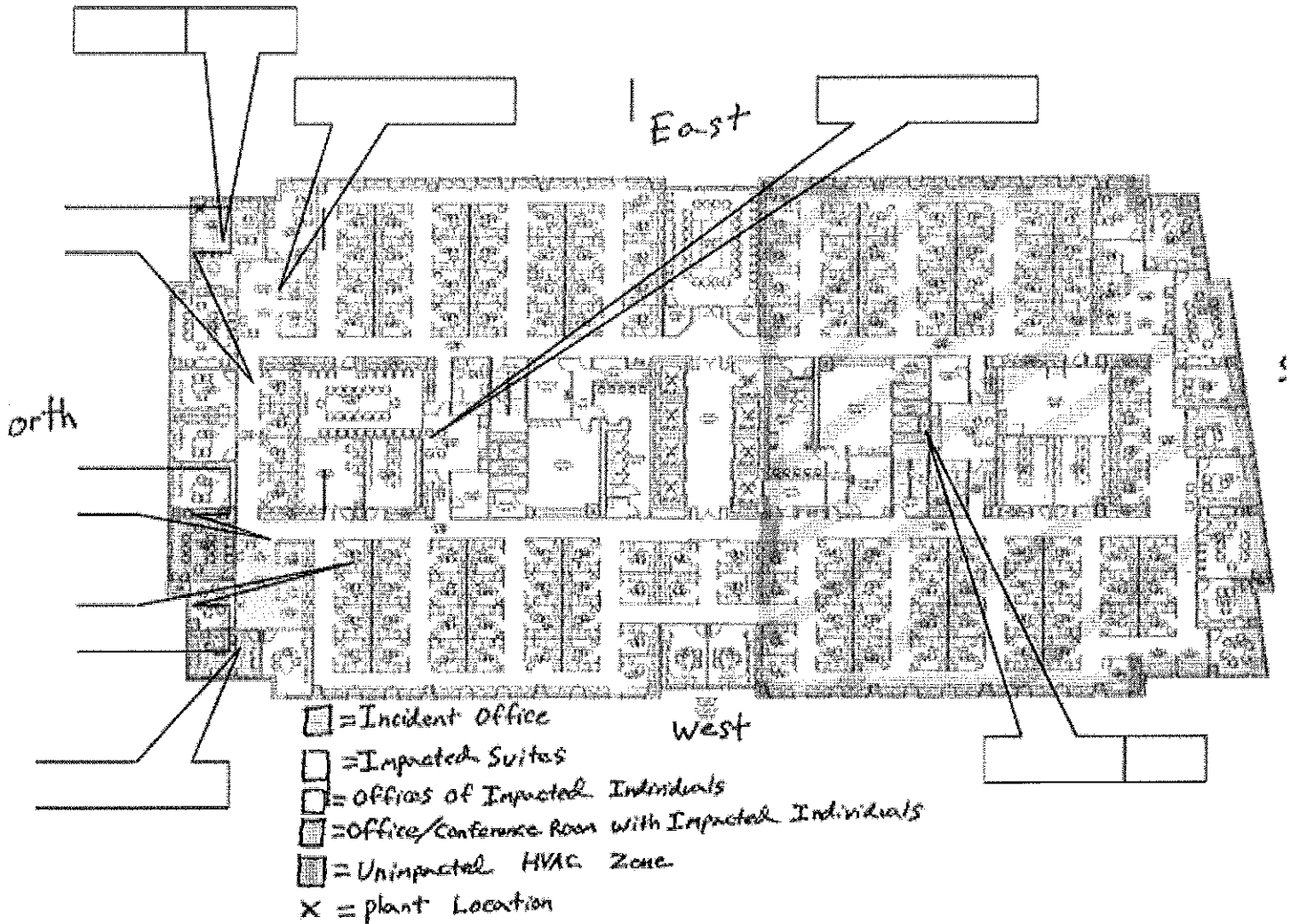
**To:** Wilson, Howard; Watson, Cassie

**Cc:** Behan, Frank; Devlin, Betsy; (b) (6) [REDACTED] Huff, Mark J

**Subject:** RE: 5th Floor Space Update as of Monday, September 29th

Hello Howard: (b) (6) [REDACTED] has asked a question regarding the methodology employed for deciding what 5<sup>th</sup> floor areas to test in the air quality testing done on August 27<sup>th</sup> (see her email below please that I highlighted in yellow). At the time of the incident and for some time after, [REDACTED] was residing in a cube within the "Unimpacted HVAC Zone" shown in the chart, but still incurred a reaction. I'm making an assumption that [REDACTED] asking to determine why those areas were not tested as well (correct me if I'm wrong Jana). Thanks for any light you can shed on her question.

Roy



**TIDEWATER INC**

082714-A01/W01

082714-A02/W02

082714-A07/W07

714-A03/W03

14-A04/W04

14-A05/W05

082714-A06/W06

082714-A08/W08

**Attachment B – Figure 1**

**EPA Potomac Yard (North) – 5th Floor**

Scale: N/A

General Notes

082714-A09/W09 collected in Conference Room 4840

**2733 Crystal Drive  
Arlington, VA 22202**

Project #: 5379-005  
Date: August 27, 2014

(un-impacted Area) on the 4th Floor. Ob2714-A10/W10 are Field Blank samples.

---

**From:** Englander, Jana  
**Sent:** Tuesday, September 30, 2014 1:26 PM  
**To:** Prince, Roy  
**Cc:** Behan, Frank; Devlin, Betsy  
**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Hello Roy,

I scanned the report attached in the email below. I would be interested in how these folks determined the individuals and spaces that were impacted and those that were not. Based on the last page, where a map indicates the various zones, I am located in a space and am an individual who was not impacted. Not sure if the results of the sampling would change, but the recommended actions might, if a more accurate picture was made of those of us impacted and where we were located.

Thanks for providing the update.

Jana  
**Jana Englander**  
Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
703-308-8711

---

**From:** Prince, Roy  
**Sent:** Monday, September 29, 2014 4:42 PM  
**To:** OSWER ORCR EVERYONE  
**Cc:** Wilson, Howard; Watson, Cassie; Carpenter, Wesley; Fielden, Daniel  
**Subject:** 5th Floor Space Update as of Monday, September 29th

Hello everyone- here is the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Monday, September 29th:

- Attached above is the final Indoor Air Quality sampling report conducted on the 5<sup>th</sup> floor on August 27, 2014. As previously reported, all air and surface wipe samples revealed concentrations below detection limits for Pyrethrum and Piperonyl butoxide and there was no evidence of residual contamination.



- SHEMD has informed us that on Wednesday, October 1, 2014, at 7:00 a.m., as an additional precautionary step contractors from Federal Occupational Health and SHEMD will be on-site performing limited scope environmental sampling. The scope of this sampling is targeted at determining any presence of viable and non-viable fungi in a limited area. Results of that testing will be shared immediately upon receipt.
- ORCR is still working with SHEMD to determine the date for the next ORCR All-hands meeting for the purpose of informing us of any additional findings. That meeting is expected to occur sometime during the first two weeks of October.

We will continue to let you know information as we receive it, along with sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your continued patience and let me and/or your managers know if there is anything we can do to help.

Roy



**Fielden, Daniel**

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**From:** Prince, Roy  
**Sent:** Tuesday, August 05, 2014 7:12 PM  
**To:** Wilson, Howard  
**Cc:** Watson, Cassie; Dady, John; Jackson, Yvette; Fitz-James, Schatzi; Johnson, Barnes; Huff, Mark J  
**Subject:** Re: Brief Summary of Actions Taken to Date and sent to OSHA

Thanks Howard.

Sent from my iPhone

> On Aug 5, 2014, at 7:05 PM, "Wilson, Howard" <Wilson.Howard@epa.gov> wrote:

>

>

> Fyi

>

> Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

> Original Message

> From: (b) (6)

> Sent: Tuesday, August 5, 2014 6:38 PM

> To: Wilson, Howard

> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>

>

> Howard,

>

> That was exactly what I was looking for. I think this incident is actually growing in part because we are not getting the type of information that we are asking for, which to anyone who works on the fifth floor each day does not seem to be asking for much. I am not sure if management understands their own responsibilities in this type of situation. So far, in my opinion and most of those that work around me is that most of this problem stems from a lack of communication. Thanks again for getting back to me and letting me know.

>

> (b) (6)

> Waste Characterization Branch

> Materials Recovery & Waste Management Division Office of Resource

> Conservation & Recovery U.S Environmental Protection Agency (MC-5304P)

> 1200 Pennsylvania Ave, NW

> Washington, D.C. 20460

> Phone: (703) 308-8894

> Email: ierardi.mario@epa.gov

> Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

>

> From: Wilson, Howard

> Sent: Tuesday, August 5, 2014 6:28 PM

> To: (b) (6) Roy

> Cc: Watson, Cassie; Johnson, Barnes; Huff, Mark J; Hoffman, Stephen;

> Fitz-James, Schatzi

> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>

> [REDACTED]

>

> OSHA's letter asks the agency to conduct an "investigation". The definition and expectations of an "investigation" are probably subject to interpretation. Our occupational physician is speaking with employees this week; I have contacted a research pesticide chemist to help understand if the odor can be explained by the information we have on the product and the addition of water to it, and we are working with an industrial hygiene firm to discuss what, if any sampling, might be appropriate at this time. We will continue to keep you and employees informed of information we obtain and actions we are considering. Generally, I prefer this be done through your office's management to insure that all employees are informed. However, should you have questions regarding what is communicated to you, please feel free to contact Cassie or me.

>

> Howard

>

> -----Original Message-----

> From: (b) (6)

> Sent: Tuesday, August 05, 2014 5:57 PM

> To: Wilson, Howard; Prince, Roy

> Cc: Watson, Cassie; Johnson, Barnes; Huff, Mark J; Hoffman, Stephen;

> Fitz-James, Schatzi

> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>

> Howard,

>

> Thanks for the response. I was actually not asking the question as to whether OSHA would be conducting an investigation, I was referring to whether EPA was? That was not clear from last weeks meeting and I was just trying to understand if something had changed regarding that? As you rightly point out the FED OSHA letter discusses much of what is part of that. Thanks,

>

> (b) (6)

> Waste Characterization Branch

> Materials Recovery & Waste Management Division Office of Resource

> Conservation & Recovery U.S Environmental Protection Agency (MC-5304P)

> 1200 Pennsylvania Ave, NW

> Washington, D.C. 20460

> [REDACTED]

> [REDACTED]

> Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

>

> From: Wilson, Howard

> Sent: Tuesday, August 5, 2014 5:25 PM

> To: (b) (6) Prince, Roy

> Cc: Watson, Cassie; Johnson, Barnes; Huff, Mark J; Hoffman, Stephen;

> Fitz-James, Schatzi

> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>

> [REDACTED] Based on Cassie's conversation with the OSHA representative and what is written in the 3rd and 4th paragraphs of the OSHA notice of hazard (attached), we do not believe that OSHA will conduct an investigation until EPA has had an opportunity to respond to their notice. It is our understanding we have been given an extension to August 21 to respond to the OSHA letter.

>  
> Please call Cassie or me if you have any questions.  
>  
> Howard  
>  
> Deputy Director  
> Safety, Health and Environmental Management Division.  
>

> -----Original Message-----

> From: (b) (6)  
> Sent: Tuesday, August 05, 2014 4:34 PM  
> To: Prince, Roy  
> Cc: Watson, Cassie; Wilson, Howard; Johnson, Barnes; Huff, Mark J;  
> Hoffman, Stephen; Fitz-James, Schatzi  
> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>  
> Roy,  
>  
> OK then, by not answering the question, you answered it. I must say that I am confused as to where our own management's responsibility begin's and end's with this incident and when it is passed on to others that are not in our management chain of command. That alone has created some confusion which is never good when it involves the health and safety of your people. I have work to do, so I am not going to chase people down. I will wait to see if someone will provide the information to the question. Thanks,  
>

(b) (6)

> Waste Characterization Branch  
> Materials Recovery & Waste Management Division Office of Resource  
> Conservation & Recovery U.S Environmental Protection Agency (MC-5304P)  
> 1200 Pennsylvania Ave, NW  
> Washington, D.C. 20460

> Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

>  
> From: Prince, Roy  
> Sent: Tuesday, August 5, 2014 3:18 PM  
> To: [REDACTED]  
> Cc: Watson, Cassie; Wilson, Howard; Johnson, Barnes; Huff, Mark J  
> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>  
> [REDACTED] the information I forwarded to everyone was prepared and sent by SHEMD. As such, I think Howard and/or Cassie are in a position to answer your question. Thanks.

> -----Original Message-----

> (b) (6)  
> Sent: Tuesday, August 05, 2014 3:07 PM  
> To: Prince, Roy; OSWER ORCR EVERYONE  
> Cc: Watson, Cassie  
> Subject: RE: Brief Summary of Actions Taken to Date and sent to OSHA

>  
> Roy,

>

> Thanks for providing us the summary of the actions taken to date.  
> One point of clarification. Since the letter posted from FED OSHA  
> dated July 31, 2014 was after our all-hands meeting last Tuesday, has  
> there been a decision to conduct an investigation? My take away from  
> the all hands meeting was that there hadn't. I am just asking for  
> clarification purposes as it relates to the letter posted after our  
> meeting. Thanks,

>

> (b) (6)

> Waste Characterization Branch  
> Materials Recovery & Waste Management Division Office of Resource  
> Conservation & Recovery U.S Environmental Protection Agency (MC-5304P)  
> 1200 Pennsylvania Ave, NW  
> Washington, D.C. 20460

> (b) (6)

> Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

>

>

> \_\_\_\_\_  
> From: Prince, Roy  
> Sent: Tuesday, August 5, 2014 2:13 PM  
> To: OSWER ORCR EVERYONE  
> Subject: Brief Summary of Actions Taken to Date and sent to OSHA

>

> FYI - Attached is a summary sent to OSHA last Friday by Cassie Watson, Chief of the Operations Branch in the Safety, Health and Environmental Management Division, for the purpose of informing them of actions take to date regarding the insecticide spray incident.

## Fielden, Daniel

---

**From:** Fitz-James, Schatzi  
**Sent:** Wednesday, August 06, 2014 8:58 AM  
**To:** Wilson, Howard  
**Cc:** Prince, Roy; Watson, Cassie  
**Subject:** Re: Update

As it should be. Thanks Howard.

---

**From:** Wilson, Howard  
**Sent:** Wednesday, August 6, 2014 8:27:19 AM  
**To:** Fitz-James, Schatzi  
**Cc:** Prince, Roy; Watson, Cassie  
**Subject:** Re: Update

Thanks Schatzi. All further communications will likely be thru RCR management.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

Original Message  
**From:** Fitz-James, Schatzi  
**Sent:** Tuesday, August 5, 2014 8:23 PM  
**To:** Wilson, Howard  
**Subject:** Fw: Update

FYI

---

**From:** Fitz-James, Schatzi  
**Sent:** Tuesday, August 5, 2014 8:22:17 PM  
**To:** OSWER ORCR MRWMD WCB  
**Cc:** Devlin, Betsy; Elliott, Ross; Prince, Roy  
**Subject:** Update

Per Howard Wilson, EPA is conducting an investigation at OSHA's request. He indicated the definition and expectations of an investigation may be subject to interpretation. EPA understands it has received an extension until 8/21 to respond to OSHA's letter,

The FOH physician met with staff today and will do so again tomorrow. SHEMD is consulting with a research pesticide chemist to help understand if the odor can be explained based on the information we have on the product and the addition of water to it. It is also working with an industrial hygiene firm to see what, if any sampling, might be appropriate at this time.

SHEMD will continue to keep employees informed about information they obtain and actions they are considering.





## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Friday, August 08, 2014 9:26 PM  
**To:** Kovak, Brian  
**Subject:** Re: EPA Indoor Air Incident

Brian: thank you for your response and clarifying your objective to have NIOSH positioned for support if needed. Your experience with them has been very successful and your professional connection will be invaluable should we need to reach out to them. We'll chat on Monday; have a great weekend.

Howard

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**Sent:** Friday, August 8, 2014 6:56 PM  
**To:** Wilson, Howard  
**Cc:** Prince, Roy; Fitz-James, Schatzi; Johnson, Barnes; Watson, Cassie  
**Subject:** Re: EPA Indoor Air Incident

Howard,

That will be fine. I explained the situation to Greg and that you were planning to hire a consultant. I just wanted to lay the groundwork for securing assistance from NIOSH if needed since they are an excellent resource for this type of consultation and at no cost to us. In my NRT Worker Safety and Health Committee that I co-chair with OSHA, I work with NIOSH on a regular monthly basis on troubleshooting some of our safety challenges with our Superfund site work. They are very good problem solvers and have a team of experts with many years of experience in working with indoor air investigations. They have done several thousand over the past 20 years and employ state-of-the-art research techniques and experimental methods and equipment, including evaluations of many federal buildings. I worked with them on the Library of Congress study in the early 90's. Let's keep them as our backup plan or to consult with down the road as needed. You have the lead on this, I'm just trying to cover all the bases and bring in some extra help from a highly talented group of IH's, engineers and physicians if needed with no additional cost. Have a nice weekend. I look forward to talking with you and Hugh on Monday.

Thanks,  
Brian

On Aug 8, 2014, at 2:12 PM, "Wilson, Howard" <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

Brian: SHEMD has contracted with HP Environmental, Dr. Hugh Granger to assist us with the investigation of the indoor air quality incident in the PY building. At this point in time we are not planning to submit an HHE request; please pass that information on to Greg. However, I appreciate you making contact with him and establishing the procedure to secure their consult if we agree, collectively, it is needed. As mentioned previously, we will share with you our efforts to date and plan forward on Monday and look forward to your input.

Howard

---

**From:** Kovak, Brian  
**Sent:** Friday, August 08, 2014 1:14 PM

**To:** Burr, Gregory A. (CDC/NIOSH/DSHEFS)  
**Cc:** Wilson, Howard; Watson, Cassie; Prince, Roy  
**Subject:** Re: EPA Indoor Air Incident

Greg,

Thanks for raising our indoor air issue with your team and the offer to review our data and consult with us on it. I will be in touch on Monday. Have a nice weekend!

Brian

On Aug 8, 2014, at 10:29 AM, "Burr, Gregory A. (CDC/NIOSH/DSHEFS)" <[gab1@cdc.gov](mailto:gab1@cdc.gov)> wrote:

Hi Brian

Thanks for supplying the additional information-it really helped in my discussion with morning with my Branch and IH/MED senior leads. We agreed with your suggestion of reviewing the data, then providing a response letter back to your office. The best way to accomplish this would be for you (or the head of your department) to submit an HHE request (you can do that online at <http://www.cdc.gov/niosh/hhe/HHEprogram.html> ). You can mention in the request that we had discussed this incident. I would likely be one of the people responding to your request. However, I also asked our Medical Supervisor to consider assigning a Medical Officer to look over the results of the employee interviews. Our behavioral scientist also attended our Branch meeting this morning so I may ask for his involvement if it seems prudent.

As a brief reminder, the NIOSH Health Hazard Evaluation program does not charge for its services and we are not a compliance agency (you probably know this, but just wanted to touch on the basics). Our website has much more background information on the program. In this situation we would not likely be making a site visit, although that could change depending on how the project develops.

Finally, I noticed in the information that you sent that SHEMD (or others) would be determining what, if any, sampling should be performed in response to this incident. As we discussed, I would not recommend environmental sampling (air, surface, bulk) of any type, and my opinion would not change even after I review the information that your office provides. Our letter will outline our reasoning behind this statement, but we touched upon several of these reasons in our phone call yesterday.

Feel free to contact me if you have any questions. I would also be happy to discuss this incident with FOH or others if you think that helpful.

*Greg*

<image005.jpg>

Gregory A. Burr, CIH  
Industrial Hygiene Team Leader  
Hazard Evaluations and Technical Assistance Branch  
Division of Surveillance, Hazard Evaluations and Field Studies  
National Institute for Occupational Safety and Health  
4676 Columbia Parkway, MSR-11  
Cincinnati, Ohio 45226  
Office: 513.841.4582; Fax: 513.458.7147  
[e-mail: gab1@cdc.gov](mailto:gab1@cdc.gov)

*Personal cell: 513-900-7378*

<image006.jpg>

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**From:** Kovak, Brian [<mailto:Kovak.Brian@epa.gov>]

**Sent:** Thursday, August 07, 2014 3:28 PM

**To:** Burr, Gregory A. (CDC/NIOSH/DSHEFS)

**Subject:** EPA Indoor Air Incident

Greg,

Thanks for taking the time to discuss the indoor air incident at one of our EPA HQ office buildings in DC, involving the application of a pyrethrum based household pesticide on office plants by one of our employees. I would appreciate any insight or assistance from NIOSH in helping us to determine what our next steps should be to resolve this situation and what if any recommendations you may have on our investigation procedures. We would also be interested in requesting a possible review of our data we collect through employee interviews, HVAC cleaning, office/building remediation steps and if any IH sampling is conducted. Please call me if you have any questions. My cell phone is usually the best number to reach me on as I work out of the office frequently.

Thanks,

*Brian*

Brian Kovak

Safety, Health and Environmental Management Official

US EPA, Office of Solid Waste and Emergency Response

Environmental Response Team

Edison, NJ

732-321-6609 - phone

908-202-9848 - cell



**Fielden, Daniel**

---

**From:** Wilson, Howard  
**Sent:** Monday, August 11, 2014 12:01 PM  
**To:** Prince, Roy; Watson, Cassie  
**Subject:** Re: 5th Floor Space Update - Draft

Roy: sorry about the delay -- will be back with answers this afternoon.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy  
**Sent:** Monday, August 11, 2014 8:18 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Subject:** FW: 5th Floor Space Update - Draft

Cassie/Howard: would it be possible please to obtain some general direction from you regarding [REDACTED] questions below. I need to get back to her soon. Thank you very much.

Roy

---

**From:** Prince, Roy  
**Sent:** Thursday, August 07, 2014 9:47 AM  
**To:** Wilson, Howard  
**Subject:** FW: 5th Floor Space Update - Draft

Howard: are there answers to [REDACTED] questions below? I can craft an answer from something you send me - I want to ensure I'm providing her with accurate information. Thank you.

---

**From:** (b) (6)  
**Sent:** Thursday, August 07, 2014 9:42 AM  
**To:** Prince, Roy  
**Cc:** Fitz-James, Schatzi  
**Subject:** RE: 5th Floor Space Update - Draft

Hi Roy,

I had a couple of questions about your email below.

Do you know if we in ORCR will be able to see the physician's report in addition to SHEMD? And, if not, is there a reason why that would be? The physician told me that no names will be mentioned in the report.

Also, you said that SHEMD contacted a research pesticide chemist. Do you know what they learned, if anything?

And finally, you mentioned that SHEMD is discussing the possibility of sampling with an industrial hygiene firm. Do you know if the unions (or even a group of interested ORCR employees) will be involved in those discussions?

Thanks so much for your updates,

(b) (6)

Materials Recovery and Waste Management Division  
Office of Resource Conservation and Recovery

U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, N.W.  
Mail Code: 5304P  
Washington, D.C. 20460

[REDACTED]  
(703) 308-0514 (fax)

Web site: <http://www.epa.gov/waste/homeland/index.htm>

---

**From:** Prince, Roy  
**Sent:** Wednesday, August 06, 2014 4:08 PM  
**To:** OSWER ORCR EVERYONE  
**Subject:** 5th Floor Space Update - Draft

Hello everyone- here's the latest update on the Safety, Health and Environmental Management Division's (SHEMD) response and next steps regarding the situation impacting our 5<sup>th</sup> floor space.

- An occupational physician from Federal Occupational Health has been made available and conducted 16 half hour interviews over the past two mornings with employees that had requested appointments. Additional employees have requested appointments and arrangements are being made to bring the doctor back next week (tentatively scheduled to occur next Tuesday 8/12 from 7:30 to noon, please contact me directly to schedule a time slot). Once the physician has completed all the interviews, he will provide SHEMD a report on his findings and SHEMD will be letting ORCR know if there are any follow up actions necessary per his report.
- SHEMD contacted a research pesticide chemist in an attempt to understand the odor relative to the known information of the product including the addition of water.
- SHEMD is currently engaged in discussions with an industrial hygiene firm to determine what, if any sampling would be appropriate at this time (we'll keep you posted on their sampling decisions and if SHEMD decides to do the sampling we'll also let you know when and what type sampling is planned).

Additionally, I know many of you are wondering when folks who were displaced by this incident will be able to return to their workspace. We're relying on SHEMD to give us this approval and SHEMD is reporting that they need the physician's report before being able to give us a timeline (and next steps) for reoccupying the space.

The ORCR management team and I continue to meet briefly each morning to review this situation and as always please let your managers know if you are having any difficulties related to the incident.

While we will continue to let you know information as we receive it, we will also be sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your patience and let me and/or your managers know if there is anything we can do to help.

Roy

**Fielden, Daniel**

---

**From:** Prince, Roy  
**Sent:** Friday, August 15, 2014 3:02 PM  
**To:** (b) (6)  
**Cc:** Fitz-James, Schatzi; Wilson, Howard; Watson, Cassie  
**Subject:** RE: 5th Floor Space Update - Draft

(b) (6) some answers to your questions have materialized as this week progressed and I wanted to get back to you.

Roy

---

**From:** (b) (6)  
**Sent:** Thursday, August 07, 2014 9:42 AM  
**To:** Prince, Roy  
**Cc:** Fitz-James, Schatzi  
**Subject:** RE: 5th Floor Space Update - Draft

Hi Roy,

I had a couple of questions about your email below.

Do you know if we in ORCR will be able to see the physician's report in addition to SHEMD? And, if not, is there a reason why that would be? The physician told me that no names will be mentioned in the report. **The report will be shared with employees.**

Also, you said that SHEMD contacted a research pesticide chemist. Do you know what they learned, if anything? **SHEMD is working with Dr. Thuy Nguyen, Director of EPA's Analytical Chemistry Lab. Although Dr. Nguyen has yet to reach conclusions, it's my understanding that Dr. Nguyen will be at our September 4<sup>th</sup> All Hands meeting to assist in announcing findings/conclusions and answering employee questions.**

And finally, you mentioned that SHEMD is discussing the possibility of sampling with an industrial hygiene firm. Do you know if the unions (or even a group of interested ORCR employees) will be involved in those discussions? **A representative from the firm will be at the All Hands meeting and the unions will be invited.**

Thanks so much for your updates,

(b) (6)  
Materials Recovery and Waste Management Division  
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U.S. Environmental Protection Agency  
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Mail Code: 5304P

(b) (6)

(703) 308-0514 (fax)

Web site: <http://www.epa.gov/waste/homeland/index.htm>

**From:** Prince, Roy  
**Sent:** Wednesday, August 06, 2014 4:08 PM  
**To:** OSWER ORCR EVERYONE  
**Subject:** 5th Floor Space Update - Draft

Hello everyone- here's the latest update on the Safety, Health and Environmental Management Division's (SHEMD) response and next steps regarding the situation impacting our 5<sup>th</sup> floor space.

- An occupational physician from Federal Occupational Health has been made available and conducted 16 half hour interviews over the past two mornings with employees that had requested appointments. Additional employees have requested appointments and arrangements are being made to bring the doctor back next week (tentatively scheduled to occur next Tuesday 8/12 from 7:30 to noon, please contact me directly to schedule a time slot). Once the physician has completed all the interviews, he will provide SHEMD a report on his findings and SHEMD will be letting ORCR know if there are any follow up actions necessary per his report.
- SHEMD contacted a research pesticide chemist in an attempt to understand the odor relative to the known information of the product including the addition of water.
- SHEMD is currently engaged in discussions with an industrial hygiene firm to determine what, if any sampling would be appropriate at this time (we'll keep you posted on their sampling decisions and if SHEMD decides to do the sampling we'll also let you know when and what type sampling is planned).

Additionally, I know many of you are wondering when folks who were displaced by this incident will be able to return to their workspace. We're relying on SHEMD to give us this approval and SHEMD is reporting that they need the physician's report before being able to give us a timeline (and next steps) for reoccupying the space.

The ORCR management team and I continue to meet briefly each morning to review this situation and as always please let your managers know if you are having any difficulties related to the incident.

While we will continue to let you know information as we receive it, we will also be sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your patience and let me and/or your managers know if there is anything we can do to help.

Roy



## Fielden, Daniel

---

**From:** Hugh At HPE <hgranger@hpenviron.com>  
**Sent:** Thursday, August 21, 2014 11:00 AM  
**To:** Wilson, Howard  
**Subject:** Re: 5th Floor Space Update as of Wednesday, August 20th

Howard.

Any contact with Dr. Holland?

Hugh

R. Hugh Granger, Ph.D.  
HP Environmental, Inc.

On Aug 21, 2014, at 8:46 AM, "Wilson, Howard" <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

Thanks Roy – I will respond to the questions today.

Howard

---

**From:** Prince, Roy  
**Sent:** Thursday, August 21, 2014 10:29 AM  
**To:** Wilson, Howard  
**Cc:** Huff, Mark J  
**Subject:** FW: 5th Floor Space Update as of Wednesday, August 20th

Howard, beyond the question this morning I received from an employee asking what indoor air sampling has occurred, I've received a new set of questions from another employee that I wanted to share with you.

---

**From:** (b) (6)  
**Sent:** Thursday, August 21, 2014 10:13 AM  
**To:** Prince, Roy  
**Cc:** Fitz-James, Schatzi  
**Subject:** RE: 5th Floor Space Update as of Wednesday, August 20th

Good morning, Roy,

Sorry to bother you once again with questions, but I have some additional questions regarding the new information you provided to us yesterday. (Thank you for that, by the way.) I know that you likely do not have the answers readily available, but I would appreciate any information you can find out and provide.

My questions are:

- 1) If people are still having reactions in a RCSD Conference Room on the 5th floor even though that room has been shampooed and surface cleaned several weeks ago, why do they believe doing it again will solve the problem? Perhaps a different cleaning method should be employed?

- 2) Did they only take one water sample from the pantry? Were any other items or areas sampled on the fifth floor?
- 3) What was their original hypothesis on the cause of the situation? If they do not want to share that information, is there a particular reason as to why?
- 4) What is the purpose/goal of the visual inspection of the mechanical system by Dr. Hugh Granger? And, what is meant by "mechanical system"?
- 5) Will we be able to see the working draft (or final version) of Dr. Granger's investigation? If so, can this be shared with us prior to the All Hands meeting to give us time to review it?
- 6) When can we expect to see Dr. Holland's report? Although Dr. Granger's report takes into account the interviews between Dr. Holland and ORCR employees, there is value in reading Dr. Holland's report on its own, preferably before the All Hands meeting.
- 7) Can Dr. Granger, SHEMD officials, and others involved in the investigation disseminate their information to ORCR employees outlining the investigation and their findings and conclusions before the All Hands meeting, rather than at the All Hands meeting? I believe this will allow staff the opportunity to come prepared to the meeting and ask questions not covered in the reports.

Thanks again Roy for all that you are doing. I really appreciate your efforts to keep us updated on this situation.

(b) (6)

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Web site: <http://www.epa.gov/waste/homeland/index.htm>

---

**From:** Prince, Roy

**Sent:** Wednesday, August 20, 2014 5:08 PM

**To:** OSWER ORCR EVERYONE

**Subject:** 5th Floor Space Update as of Wednesday, August 20th

Hello everyone- here is the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Wednesday, August 20th :

- Some employees reported having a reaction last Friday after spending time in the RCSD Conference Room on the 5<sup>th</sup> floor. Although that room had been shampooed and surface cleaned several weeks ago, building management completed those cleaning procedures once again earlier this week.
- A water sample was collected from the pantry on Friday, August 15<sup>th</sup> and SHEMD is awaiting final results. The preliminary results did not indicate the presence of chemical oxidizers that were of interest in some original hypothesis on the cause of the situation.
- A visual inspection of the mechanical system involving Dr. Hugh Granger, toxicologist from HP Environmental and the building management company will occur on Tuesday, August 26th.

- Brian Kovak, OSWER's Safety, Health, and Environmental Management Official continues his involvement in meetings with SHEMD concerning the investigation of the incident. Brian participated in an interview on Thurs. August 14<sup>th</sup> with representatives of the building owner and the building management company including their mechanical engineer and industrial hygienist.
- Dr. Granger and Dr. Thuy Nguyen (Director of EPA's Analytical Chemistry Lab at Ft. Meade) held a second meeting this past Monday, August 18<sup>th</sup> to discuss possible causes of the incident on July 3rd. Further, a second interview was conducted with the individual who sprayed the plant. Dr. Granger is still preparing a working draft of his investigation (which takes into account the interviews between Dr. Holland and ORCR employees) and hopes to finalize his report within the next week or so.
- An ORCR All-hands meeting is being planned for as soon as possible. Details will be forthcoming. The meeting will be attended by Dr. Granger, SHEMD officials, and others involved in the investigation and will include their dissemination of information to ORCR employees outlining the investigation and their findings and conclusions.

We will continue to let you know information as we receive it, along with sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your patience and let me and/or your managers know if there is anything we can do to help.

Roy



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Thursday, August 21, 2014 10:47 AM  
**To:** Prince, Roy  
**Cc:** Huff, Mark J; Watson, Cassie; Hugh At HPE  
**Subject:** RE: 5th Floor Space Update as of Wednesday, August 20th

Thanks Roy -- I will respond to the questions today.

Howard

---

**From:** Prince, Roy  
**Sent:** Thursday, August 21, 2014 10:29 AM  
**To:** Wilson, Howard  
**Cc:** Huff, Mark J  
**Subject:** FW: 5th Floor Space Update as of Wednesday, August 20th

Howard, beyond the question this morning I received from an employee asking what indoor air sampling has occurred, I've received a new set of questions from another employee that I wanted to share with you.

---

**(b) (6)**  
**Sent:** Thursday, August 21, 2014 10:13 AM  
**To:** Prince, Roy  
**Cc:** Fitz-James, Schatzi  
**Subject:** RE: 5th Floor Space Update as of Wednesday, August 20th

Good morning, Roy,

Sorry to bother you once again with questions, but I have some additional questions regarding the new information you provided to us yesterday. (Thank you for that, by the way.) I know that you likely do not have the answers readily available, but I would appreciate any information you can find out and provide.

My questions are:

- 1) If people are still having reactions in a RCSD Conference Room on the 5th floor even though that room has been shampooed and surface cleaned several weeks ago, why do they believe doing it again will solve the problem? Perhaps a different cleaning method should be employed?
- 2) Did they only take one water sample from the pantry? Were any other items or areas sampled on the fifth floor?
- 3) What was their original hypothesis on the cause of the situation? If they do not want to share that information, is there a particular reason as to why?
- 4) What is the purpose/goal of the visual inspection of the mechanical system by Dr. Hugh Granger? And, what is meant by "mechanical system"?
- 5) Will we be able to see the working draft (or final version) of Dr. Granger's investigation? If so, can this be shared with us prior to the All Hands meeting to give us time to review it?
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- 7) Can Dr. Granger, SHEMD officials, and others involved in the investigation disseminate their information to ORCR employees outlining the investigation and their findings and conclusions before the All Hands meeting, rather than at the All Hands meeting? I believe this will allow staff the opportunity to come prepared to the meeting and ask questions not covered in the reports.

Thanks again Roy for all that you are doing. I really appreciate your efforts to keep us updated on this situation.

(b) (6)

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Washington, D.C. 20460

(703) 308-0514 (fax)

Web site: <http://www.epa.gov/waste/homeland/index.htm>

---

**From:** Prince, Roy  
**Sent:** Wednesday, August 20, 2014 5:08 PM  
**To:** OSWER ORCR EVERYONE  
**Subject:** 5th Floor Space Update as of Wednesday, August 20th

Hello everyone- here is the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Wednesday, August 20th:

- Some employees reported having a reaction last Friday after spending time in the RCSD Conference Room on the 5<sup>th</sup> floor. Although that room had been shampooed and surface cleaned several weeks ago, building management completed those cleaning procedures once again earlier this week.
- A water sample was collected from the pantry on Friday, August 15<sup>th</sup> and SHEMD is awaiting final results. The preliminary results did not indicate the presence of chemical oxidizers that were of interest in some original hypothesis on the cause of the situation.
- A visual inspection of the mechanical system involving Dr. Hugh Granger, toxicologist from HP Environmental and the building management company will occur on Tuesday, August 26<sup>th</sup>.
- Brian Kovak, OSWER's Safety, Health, and Environmental Management Official continues his involvement in meetings with SHEMD concerning the investigation of the incident. Brian participated in an interview on Thurs. August 14<sup>th</sup> with representatives of the building owner and the building management company including their mechanical engineer and industrial hygienist.
- Dr. Granger and Dr. Thuy Nguyen (Director of EPA's Analytical Chemistry Lab at Ft. Meade) held a second meeting this past Monday, August 18<sup>th</sup> to discuss possible causes of the incident on July 3rd. Further, a second interview was conducted with the individual who sprayed the plant. Dr. Granger is still preparing a working draft of his investigation (which takes into account the interviews between Dr. Holland and ORCR employees) and hopes to finalize his report within the next week or so.
- An ORCR All-hands meeting is being planned for as soon as possible. Details will be forthcoming. The meeting will be attended by Dr. Granger, SHEMD officials, and others involved in the investigation and will include their dissemination of information to ORCR employees outlining the investigation and their findings and conclusions.

We will continue to let you know information as we receive it, along with sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your patience and let me and/or your managers know if there is anything we can do to help.

Roy





## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Wednesday, September 24, 2014 5:05 PM  
**To:** Prince, Roy  
**Subject:** RE: follow-up questions regarding the response to the 5th floor pesticide release

Roy: I will commit to a response by the end of the week; Cassie has been out of the office on sick leave and I have returned today from annual leave.

---

**From:** Prince, Roy  
**Sent:** Wednesday, September 24, 2014 4:04 PM  
**To:** Wilson, Howard  
**Cc:** (b) (6) Watson, Cassie  
**Subject:** RE: follow-up questions regarding the response to the 5th floor pesticide release

Howard: [REDACTED] is asking if answers have been formulated yet to her questions. Thank you.

---

**From:** Prince, Roy  
**Sent:** Wednesday, September 10, 2014 8:08 AM  
**To:** Wilson, Howard  
**Cc:** [REDACTED] Watson, Cassie; Devlin, Betsy; Fitz-James, Schatzi; Huff, Mark J  
**Subject:** Re: follow-up questions regarding the response to the 5th floor pesticide release

Thank you Howard. Please respond directly to [REDACTED] and cc all that you see here.

Sent from my iPhone

On Sep 9, 2014, at 6:52 PM, "Wilson, Howard" <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

I'm assuming you would like us to respond directly [REDACTED] and copy you or respond directly to you for your distribution?

---

**From:** Prince, Roy  
**Sent:** Tuesday, September 09, 2014 6:14 PM  
**To:** Kaps, Melissa; Wilson, Howard; Watson, Cassie  
**Cc:** Devlin, Betsy; Fitz-James, Schatzi; Huff, Mark J  
**Subject:** Re: follow-up questions regarding the response to the 5th floor pesticide release

Howard: we have received some questions from one of our employees that appear best answered by SHEMD please. Thank you very much  
Roy

Sent from my iPhone

On Sep 9, 2014, at 2:45 PM, "(b) (6)" wrote:

Hi Roy,

Once again, I have some questions and concerns about EPA's response to the pesticide release. I have broken them down into two sections: (1) EPA's response letter to OSHA and (2) Dr. Granger's report.

EPA's Letter to OSHA:

1. I disagree with the way they characterized the July 3<sup>rd</sup> incident in the first sentence, which I acknowledge they may be doing so for legal reasons. At this time, I do not think that calling the hazard "alleged" is accurate, especially given the documented accounts of the people who were here July 3<sup>rd</sup>. Also, the phrase "potential employee irritation due to pesticide exposure" ignores the continuous symptoms that some employees are still experiencing over two months later, as well as the initial symptoms some people experienced in the weeks following the pesticide release.
2. I want to gain an understanding of how EPA is defining "significant coordination" in the letter, especially with regard to EPA management and employees. Some people on the 5<sup>th</sup> floor did not receive any official notice of the release until nearly a month after the incident, when the first of two all hands meetings was held. I want to understand what management knew in the immediate days and weeks following the release and why that information was not conveyed to staff immediately. During those first few weeks without any communication from management, many of the staff on the 5<sup>th</sup> floor were breathing in the chemicals from the release without their knowledge or consent. It was only after about three weeks that people were given the options to move to another cubicle or exercise liberal episodic telework.
3. I also want to know what actions were taken in those initial weeks, given the claims there was "significant coordination" among multiple parties, that a "thorough investigation" was performed, and a "comprehensive response" was conducted. As far as staff knows, no actions were taken in the first few weeks after the incident. It appears that EPA only began to act after the OSHA complaint was received, many weeks after the incident occurred. I would not define the actions taken by EPA since the OSHA complaint as thorough or comprehensive. But then, there has not been much communication between SHEMD and ORCR staff so their actions (in detail) largely remain unknown, particularly with regard to those first few weeks.
4. Although sampling finally was conducted on the fifth floor, albeit nearly two months after the incident (which itself is a problem that deserves explanation), staff was not provided with the sampling and analysis plan. What sampling strategy was chosen and why? Nor was staff consulted regarding the "hot spots" on the fifth floor. So, how were the locations chosen? Who made these decisions? Were porous materials sampled in addition to nonporous materials? What is the rationale for only sampling those two chemicals with the wipes, especially given Dr. Granger's report? Were the unions involved in these decisions?
5. With regard to the cleaning that has been done to date, why was the cleaning limited to just one area of the floor, especially given that the release could be smelled in every part of the 5<sup>th</sup> floor (probably because they opened the doors and used a fan to circulate the air)? What was the extent of the cleaning? Were desks, carpeting, cubicle walls, ceiling tiles, etc. cleaned in the surrounding area or just in the office where the release originated? Also, how could they have begun cleaning anything without knowing what they were cleaning? Until Dr. Granger's report, which was issued nearly two months after the incident, there was little to no understanding of what occurred and why. Therefore, the

cleaning agents that were used could have made the situation worse by reacting adversely with the released chemicals. Typically, testing and sampling is done before decontamination can be done, assuming the goal is to effectively decontaminate an area in order to return it to its primary use/function. This was not the case here. If the first few cleanings have been ineffective in removing the odor and protecting people, making them feel safe, why do they believe further cleaning, as promised by the letter, is going to help? Symptoms from this pesticide release were experienced by people in many different parts of the fifth floor, not just in one particular area.

6. Other than collaborating with the EPA unions to allow alternative worksites and extended telework opportunities, how else has management engaged the unions? What other role or impact did the unions have on the actions and investigation undertaken by EPA?
7. Given the many unanswered questions and concerns that I and other staff members have, what basis is SHEMD relying on to "close-out" this investigation in early October?

Dr. Granger's Report:

1. Dr. Granger included a "Statement of Work" in his report and admitted that he created this statement of work without having knowledge of the terms of the original contract that procured his services. As someone who worked in Contracts, this possible discordance troubles me, and I want to know how his statement of work matches (or not) the official, contractual statement of work.
2. I am concerned about the limitations Dr. Granger listed in his report. These limitations include:
  - a. "The review was commissioned approximately 5 weeks post-event" → Why was the review not undertaken sooner, when it would or could have been more effective and successful?
  - b. "The insecticide product and the plant that was treated with the insecticide product are no longer available for examination or testing" → Why were they thrown away prior to EPA's investigation?
  - c. "Prior to this review, materials such as carpets and ceiling tiles located in the insecticide over-spray zone, as well as building surfaces on the 5th floor including windows, carpets and furnishings, have been cleaned to remove potential residues of the insecticide" → Once again, why was cleaning done before the investigation and without understanding what was being cleaned?
  - d. "For these and other reasons, exposure assessment shall be estimated using best available data and/or information, including product labeled ingredients and concentrations" → Despite this statement, Dr. Granger did not consult with staff who worked on the fifth floor, who could have provided him with additional "best available data and/or information" to factor into his study. Also, due to these limitations, the results of his investigation do not provide confidence to me or other people working on the fifth floor that "[t]here is currently no toxicological-based rationale [sic] for avoidance of the 5th floor."
3. In his statement of work, he lists the methods he used in his investigation, which included "[c]onduct[ing] interviews with key persons involved in the initiating event" and "[f]acilitat[ing] consultations with subject matter experts as necessary." In the second all hands meeting where Dr. Granger presented his report, he admitted that talking to employees working on the fifth floor was not

one of his methods for gathering information. If he had done so, his report may be more factually accurate. For example:

- a. He wrote that "[o]dors associated with the incident are no longer reported by building occupants." However, at the meeting, people told him that they still smelled odors so I do not understand how he concluded that odors were no longer present. If he had spoken to the employees on the fifth floor, he would have learned that odors were still present when he was writing his report.
  - b. Also, he concluded that "[b]ased on available information, including anecdotal reports, there is no indication that the insecticide product was spilled, released, or otherwise used in a manner inconsistent with labeled instructions." However, at the all hands meeting, he was informed by someone who worked in the Pesticides office that, given the information provided, it likely was used in a manner that would be considered a misuse of the label. On what basis can Dr. Granger make a legal conclusion?
  - c. He wrote that "[f]ollowing the IAQ incident, no emergency medical treatment was reported for any occupant." Dr. Granger was made aware that someone did in fact go to the emergency room as a result of this incident during the all hands meeting.
4. Dr. Granger said at the all hands meeting that he would not revise his report based on what he learned from employees during the meeting because it would only change "nuances" of his report. I disagree with this characterization.
  5. Dr. Granger relied on Dr. Holland's report for symptoms experienced by fifth floor employees. He wrote, "[t]he analysis and conclusions presented are products of a process that included interviews with building occupants to clarify their reported circumstances and personal observations and a medical symptom survey intended to document physical experiences and health effects." Because the twenty-five people who met with Dr. Holland voluntarily chose to meet with him, Dr. Holland's report should not have been used to represent all fifth floor employees as it does not present a statistical sampling of impacted employees. As a result, no definitive findings should have been made based on that report.

In short, staff deserves explanation as to why certain decisions were made or not made, who made which decisions, whether those decisions were made with union or staff input, the timing of EPA's actions and decisions, and the lack of communication to staff during the first month following the incident. Fifth floor employees were not consulted on many of the decisions made, even though they are the people most impacted by the pesticide release. The long-term effects of the pesticide release are still unknown, and no one has yet addressed the mental/psychological impacts, in addition to the short-term physical symptoms, that this incident has caused. I, as well as other staff, are concerned about the impacts on their long-term health, given that some people are still smelling an odor and experiencing symptoms over two months later. In addition, people are anxious and worried about working on the 5<sup>th</sup> floor because of the release and do not trust that working on the floor is "safe." The actions EPA has taken to date and promises to take in the next couple of weeks most likely will not alleviate staff's concerns. Therefore, I recommend that porous materials on the fifth floor be replaced with new materials as soon as possible, in addition to an actual thorough, comprehensive cleaning of the entire fifth floor.

I appreciate you forwarding my email to the proper people. If possible, can you copy me on the email? I look forward to getting specific, detailed answers to my lingering concerns and questions.

Thanks again for all of your help, Roy.

(b) (6)

Materials Recovery and Waste Management Division  
Office of Resource Conservation and Recovery

U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, N.W.  
Mail Code: 5304P  
Washington, D.C. 20460

(703) 308-0514 (fax)

Web site: <http://www.epa.gov/waste/homeland/index.htm>



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Wednesday, October 01, 2014 12:18 PM  
**To:** Watson, Cassie  
**Cc:** Carpenter, Wesley; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** Fw: 5th Floor Space Update as of Monday, September 29th

Fyi and your thoughts on a response

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** (b) (6)  
**Sent:** Wednesday, October 1, 2014 11:15 AM  
**To:** Englander, Jana; Prince, Roy; Wilson, Howard; Watson, Cassie  
**Cc:** Behan, Frank; Devlin, Betsy; Huff, Mark J; Fitz-James, Schatzi; Hoffman, Stephen  
**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Howard,

I totally agree with [REDACTED]. This casts even more doubt and questions about what was done and what it really proves, if anything. Is this a scientific based approach? What is your basis for saying it is safe if individuals still have health responses to the exposure this many months after the incident. What do you think the physicians of individuals impacted would recommend about what is safe and prudent to do in these situations? Shooting in the dark makes it very hard to know if you hit anything. How will we know when we can return? Who's job is it to allow us to be able to return to our workplace? (b) (6)

[REDACTED] Friday it will be 3 months and counting. What is the goal here?

(b) (6)  
[REDACTED]  
Waste Characterization Branch  
Materials Recovery & Waste Management Division  
Office of Resource Conservation & Recovery  
U.S Environmental Protection Agency (MC-5304P)  
1200 Pennsylvania Ave, NW  
Washington, D.C. 20460

(b) (6)  
[REDACTED]  
Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

---

**From:** [REDACTED]  
**Sent:** Tuesday, September 30, 2014 1:46 PM  
**To:** Prince, Roy; Wilson, Howard; Watson, Cassie

**Cc:** Behan, Frank; Devlin, Betsy; Huff, Mark J

**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Thank you Roy. Yes, why wasn't the southwest area tested. Also, it would be interesting to see a map of ALL the individuals that were impacted and where their office space resides. I presume there is a list somewhere of each individual who made a complaint of symptoms.

Thanks,

(b)

(6)

Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
[REDACTED]

---

**From:** Prince, Roy

**Sent:** Tuesday, September 30, 2014 1:42 PM

**To:** Wilson, Howard; Watson, Cassie

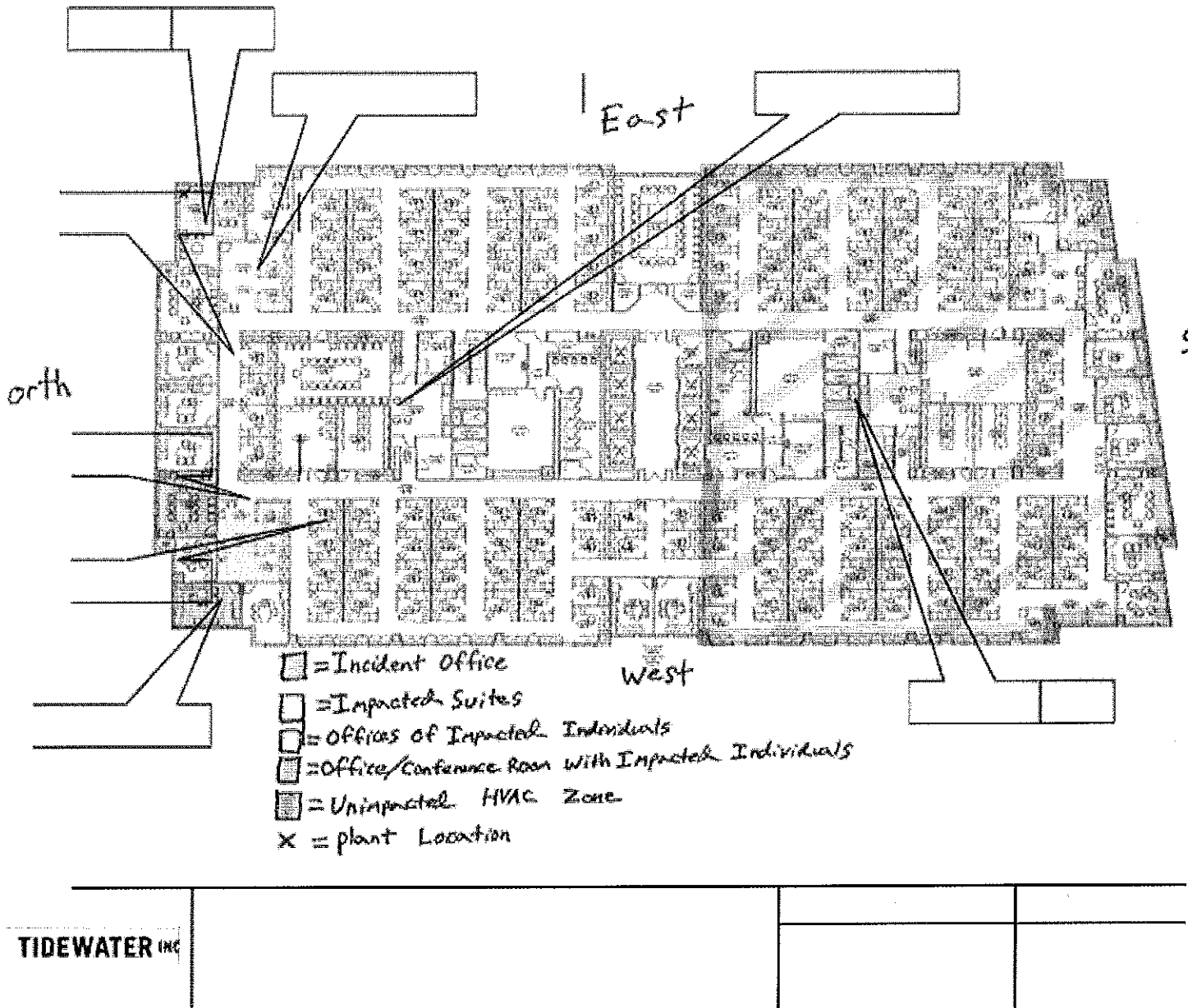
**Cc:** Behan, Frank; Devlin, Betsy; [REDACTED] Huff, Mark J

**Subject:** RE: 5th Floor Space Update as of Monday, September 29th

Hello Howard: [REDACTED] has asked a question regarding the methodology employed for deciding what 5<sup>th</sup> floor areas to test in the air quality testing done on August 27<sup>th</sup> (see her email below please that I highlighted in yellow). At the time of the incident and for some time after, [REDACTED] was residing in a cube within the "Unimpacted HVAC Zone" shown in the chart, but still incurred a reaction. I'm making an assumption that [REDACTED]'s asking to determine why those areas were not tested as well (correct me if I'm wrong [REDACTED]). Thanks for any light you can shed on her question.

Roy





082714-A01/W01

082714-A02/W02

082714-A07/W07

714-A03/W03

14-A04/W04

14-A05/W05

082714-A06/W06

082714-A08/W08

Attachment B – Figure 1

**EPA Potomac Yard (North) -- 5th Floor**

Scale: N/A

General Notes

082714-A09/W09 collected in Conference Room 4840

**2733 Crystal Drive  
Arlington, VA 22202**

Project #: 5379-005  
Date: August 27, 2014

(un-impacted Area) on the 4th Floor. Ob2714-A10/W10 are Field Blank samples.

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**Sent:** Tuesday, September 30, 2014 1:26 PM  
**To:** Prince, Roy  
**Cc:** Behan, Frank; Devlin, Betsy  
**Subject:** Re: 5th Floor Space Update as of Monday, September 29th

Hello Roy,

I scanned the report attached in the email below. I would be interested in how these folks determined the individuals and spaces that were impacted and those that were not. Based on the last page, where a map indicates the various zones, I am located in a space and am an individual who was not impacted. Not sure if the results of the sampling would change, but the recommended actions might, if a more accurate picture was made of those of us impacted and where we were located.

Thanks for providing the update.

(b) [REDACTED]  
(6) [REDACTED]  
Office of Resource Conservation and Recovery,  
Materials Recovery Waste Management Division  
Energy Recovery and Waste Disposal Branch  
U.S. Environmental Protection Agency  
[REDACTED]

---

**From:** Prince, Roy  
**Sent:** Monday, September 29, 2014 4:42 PM  
**To:** OSWER ORCR EVERYONE  
**Cc:** Wilson, Howard; Watson, Cassie; Carpenter, Wesley; Fielden, Daniel  
**Subject:** 5th Floor Space Update as of Monday, September 29th

Hello everyone- here is the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Monday, September 29th:

- Attached above is the final Indoor Air Quality sampling report conducted on the 5<sup>th</sup> floor on August 27, 2014. As previously reported, all air and surface wipe samples revealed concentrations below detection limits for Pyrethrum and Piperonyl butoxide and there was no evidence of residual contamination.

- SHEMD has informed us that on Wednesday, October 1, 2014, at 7:00 a.m., as an additional precautionary step contractors from Federal Occupational Health and SHEMD will be on-site performing limited scope environmental sampling. The scope of this sampling is targeted at determining any presence of viable and non-viable fungi in a limited area. Results of that testing will be shared immediately upon receipt.
- ORCR is still working with SHEMD to determine the date for the next ORCR All-hands meeting for the purpose of informing us of any additional findings. That meeting is expected to occur sometime during the first two weeks of October.

We will continue to let you know information as we receive it, along with sending out regular emails Monday and Wednesday afternoons until this situation has been fully resolved.

Thanks again for your continued patience and let me and/or your managers know if there is anything we can do to help.

Roy



## Fielden, Daniel

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**From:** Watson, Cassie  
**Sent:** Monday, August 11, 2014 12:27 PM  
**To:** hgranger@hpenviron.com; Wilson, Howard; Kovak, Brian  
**Subject:** FW: Ph-2 Reconfigs & PY North 5th Floor Mech.  
**Attachments:** Master-Scope of Work Tracking\_8-07-14.xlsx; PY-N-5th-MechanicalPlan.pdf; PYNorth5thMech-5TM-1n.pdf

All,

Per our discussion. Bhushan said that these drawings aren't as-builts, so it might be worth going direct to Cassidy Turley, who should have the as-built drawings.

R/ Cassie

-----Original Message-----

**From:** Dady, John  
**Sent:** Thursday, August 07, 2014 9:55 AM  
**To:** Watson, Cassie  
**Cc:** Fielden, Daniel  
**Subject:** FW: Ph-2 Reconfigs & PY North 5th Floor Mech.

Cassie,

PY North 5th floor mechanical drawings attached.

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
dady.john@epa.gov

-----Original Message-----

**From:** bpathare  
**Sent:** Thursday, August 07, 2014 9:18 AM  
**To:** Dady, John  
**Subject:** Ph-2 Reconfigs & PY North 5th Floor Mech.

Good Morning John!

Welcome back. I've been here.....hanging out mostly between office & E-CW-W newly occupied OAR spaces, updating drawings with new layout of (jammed in) spaces and keeping up with the ever growing list of post-occupancy & Phase-2 reconfigurations.....mostly furniture & electrical, a few construction areas so far.....but more are expected. Attached is the list just fyi.....

Attached is PY-5th North Mechanical drawing from the record CDs (not As-builts....don't have them). There are 2 versions- one scanned in parts & other full drawing PDF made from the original MEP Cads, but the line weights are not clear to make the mechanical pop-up.

Who's asking this drawing & what for?

Thanks,  
Bhushan

-----Original Message-----

From: Dady, John  
Sent: Wednesday, August 06, 2014 3:33 PM  
To: bpathare  
Subject: Mechanical drawings for PY North 5th Floor

Hi Bhushan,

Haven't seen you in a while. Hope you're doing well! Can you please produce these drawings?

Thanks, John

## Fielden, Daniel

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**Subject:** PY Facilities Building Management  
**Location:** N/A  
  
**Start:** Thu 8/14/2014 12:00 PM  
**End:** Thu 8/14/2014 1:00 PM  
  
**Recurrence:** (none)  
  
**Meeting Status:** Accepted  
  
**Organizer:** Watson, Cassie  
**Required Attendees:** 'Dr. R Hugh Granger Ph.D.'; Wilson, Howard; Kovak, Brian; Fielden, Daniel  
  
**Categories:** Meetings

Building management for Cassidy Turley is available to speak with Dr. Granger and EPA at noon EST on Thursday, August 14<sup>th</sup>. Please use the following:

Call in #: 1 [REDACTED] 8  
Code: 2 [REDACTED]

Thanks.

R/Cassie





## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Wednesday, August 20, 2014 2:25 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J; Dr. R Hugh Granger Ph.D.; Kovak, Brian  
**Subject:** RE: Latest information for today's ORCR-wide email

Thank you so much Howard.

---

**From:** Wilson, Howard  
**Sent:** Wednesday, August 20, 2014 2:20 PM  
**To:** Prince, Roy; Watson, Cassie  
**Cc:** Huff, Mark J; Dr. R Hugh Granger Ph.D.; Kovak, Brian  
**Subject:** RE: Latest information for today's ORCR-wide email

Roy: Here are my response to your questions below. Please edit as you deem appropriate in your communication to employees.

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**From:** Prince, Roy  
**Sent:** Wednesday, August 20, 2014 7:50 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Latest information for today's ORCR-wide email

Good morning Howard and Cassie. I'll be sending out another update to ORCR staff on the latest information by COB today. Will you please provide me with updated information on the following? I typically send the email out by 4 pm. Thank you.

Update on coordination or contact with Brian Kovak, OSWER's SHEMD official continue to compile and analyze information related to the July 3rd incident? We continue to include Brian in meetings related to the investigation of the incident. Although Brian is on vacation, he participated in an interview on Thurs. Aug. 14 with representatives of the building owner and building management company including their mechanical engineer and industrial hygienist. In addition to information gathered on the operation of the building HVAC system, it was recommended that a water sample be collected from the pantry and that a visual inspection of the mechanical system occur. The water was sampled on Friday and an inspection of the mechanical system involving Dr. Granger and the building management company is expected on Aug. 26. Brian will be included in the list of participants for the inspection. We are planning to brief NIOSH on our investigation to secure their reaction to the approach and recommendations/conclusions of the investigation – Brian will schedule this meeting.

Update on your work with Dr. Nguyen, Dr. Holland, and Dr. Granger, or any update on their work with building management or each other? Dr. Granger and Dr. Nguyen held a second meeting on Monday August 18 to discuss their hypotheses on the causes of the odor on July 3. They do concur that there was not a pesticide exposure to employees based on the concentration of pyrethrins in the container which was further reduced by addition of water and confirmed by the applicator that only a few sprays of the solution occurred on July 3 before the odor was detected and spraying was stopped. A second interview with the individual who sprayed the plant re-established the fact the odor emanated during spraying of the plant. Dr. Granger has prepared a working draft of his investigation that is under peer review and being adjusted to include information from additional interviews and research.

Anything that's occurred in the area of testing for anything related to the incident. At this point in time, sampling for the pesticide has not occurred for the reason that the calculated concentration of the pesticide released during the spraying would be well below any action levels or instrument detection levels. Wipe samples of any residue have not occurred because all horizontal surfaces have been cleaned with soap and water, and carpet in the vicinity of the plant was removed. The air supply duct for the area is not insulated on the interior of the duct and did not provide an absorptive surface that might offer an opportunity for sampling. The preliminary results of the water sample did not indicate the presence of chemical oxidizers that were of interest in the early hypothesis on the cause of the odor. A verbal summary of the interviews between Dr. Holland and employees was provide to Dr. Granger on August 14.

We also need please to firm up the availability of all the Drs. regarding the All Hands we were planning for September 4<sup>th</sup>. Dr. Granger will be present for the ail-hands meeting on September 4; Dr. Holland will still be on vacation. I do not yet have confirmation of Dr. Nguyen's availability.

Thanks very much.

Roy

## Fielden, Daniel

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**Subject:** All-Hands Meeting with ORCR Employees to Discuss Investigation Report of PY July 3 Incident (Pesticide Spray -Odor)

**Location:** PY Building 2 -- Room to be Finalized

**Start:** Thu 8/28/2014 9:00 AM

**End:** Thu 8/28/2014 11:00 AM

**Recurrence:** (none)

**Meeting Status:** Accepted

**Organizer:** Wilson, Howard

**Required Attendees:** Carpenter, Wesley; Watson, Cassie; Noga, Vaughn; Blankenship, Steven; Barbour-Swann, Shuan; Jackson, Yvette; Dey-Foy, Stacey; Dady, John; Hugh At HPE; Fielden, Daniel; Petrole, MaryAnn

**Categories:** Meetings



## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 4:28 PM  
**To:** Rees, Regina  
**Cc:** Carpenter, Wesley; Wilson, Howard; Fielden, Daniel; Barbour-Swann, Shuan; Hugh At HPE; Allamano, Jonell  
**Subject:** Environmental. Testing  
**Attachments:** EPA Potomac Yard - North 5 - Potential Sampling Locations.pdf

Hello Regina,

To address your request regarding tomorrow, Dr. Granger is available any time after 10:30 a.m. and he would like to view all mechanical systems that could have been involved in and/or had an impact on the incident on the fifth floor of Potomac Yard North. This includes local HVAC (e.g., VAVs, returns), building HVAC (e.g., intakes, AHUs, filtration systems), building water systems, etc. Depending on what the team sees they may want to look at additional spaces they feel are necessary (e.g., the loading dock area where the plant was moved to). These spaces will be those discussed during the conference call with you (Cassidy Turley), USAA, USAA's industrial hygiene firm (Gobbell Hays Partners), EPA, and Dr. Granger on August 14.

Second, we have followed up with Federal Occupational Health about sampling and have decided on the following sampling plan. We are looking to perform the sampling this Wednesday, August 27, but will inform you of the finalized date and time as it is available. The reason that this timeframe isn't confirmed is that the environmental firm has to order and receive the sampling media from the laboratory.

Please use the attached map as a reference when interpreting the plan information.

### Sampling Plan

Air and wipe samples for pyrethrins and piperonyl butoxide will be collected in 10 locations.

#### **# of Samples – Map Color - Location**

- 1 – Orange – Incident office
- 2 – Yellow – Open space suites directly outside impacted offices
- 1 – Green – Office of impacted individual (one of two potential areas)
- 2 – Purple – Office and conference room with impacted individual
- 1 – Blue – Unimpacted HVAC zone on same floor
- 1 – Not on the map – Same HVAC zone as incident office, but unimpacted area
- 1 – Not on the map – Different/Unimpacted floor
- 1 – Not on the map – Control/Field blank

We plan to have our contracted industrial hygienist, Daniel Fielden, accompany the FOH environmental team when they are on-site.

Thank you again for all of your help and please let me know if you have any questions or concerns.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Monday, August 25, 2014 10:24 AM

**To:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Thanks – I will also need a summary of what Dr. Granger will be looking at/sampling prior to his visit tomorrow.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

**T** 703-414-0911 **C** 703-930-8395 **F** 703-413-8058  
Regina.Rees@cassidyurley.com www.cassidyurley.com



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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]  
**Sent:** Monday, August 25, 2014 9:47 AM  
**To:** Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Regina,  
Dr. Granger will arrive tonight. Tomorrow would. Be great I need to confirm the time and get back to you.  
Cassie

Sent from my Windows Phone

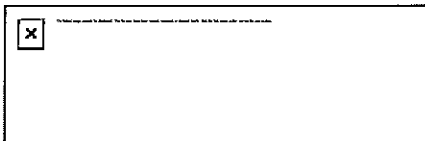
---

**From:** [Rees, Regina](#)  
**Sent:** 8/25/2014 9:35 AM  
**To:** [Watson, Cassie](#); [Barbour-Swann, Shuan](#); [Fielden, Daniel](#); [Wilson, Howard](#)  
**Subject:** RE: Environmental. Testing

Also, please let me know the exact day/time Dr. Granger would like to discuss the HVAC system and perform his inspections so that we can have our environmental consultant on site during these times and so that Wayne and I will know when we need to be available.

Thank you.  
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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]

**Sent:** Monday, August 25, 2014 9:32 AM

**To:** Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard

**Subject:** RE: Environmental. Testing

Will do, Regina. Thanks.

Cassie

Sent from my Windows Phone

---

**From:** [Rees, Regina](#)

**Sent:** 8/25/2014 9:14 AM

**To:** [Watson, Cassie](#); [Barbour-Swann, Shuan](#); [Fielden, Daniel](#); [Wilson, Howard](#)

**Subject:** RE: Environmental. Testing

Cassie,

Thank you for the below update. Can you please let me know what day/time you plan to perform the sampling and can you send me a summary of where and how you are planning on sampling?

**Regina Rees**

Vice President

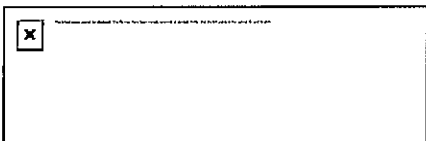
Cassidy Turley

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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]

**Sent:** Friday, August 22, 2014 4:08 PM

**To:** Rees, Regina; Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard

**Subject:** Environmental. Testing

Regina,

We are currently evaluating options for air and wipe sampling on the fifth floor of Potomac Yard North for the active ingredients involved the pesticide incident. We are working with Federal Occupational Health, who is/will be providing the industrial hygiene team for this project, but we wanted to let you know that we are looking at performing this sampling.

We would ideally like to sample before the next all hands staff meeting that is scheduled for next Thursday, August 28, 2014.

Please let me know if you foresee any issues in the performance of this sampling or if you have any questions or concerns.

Respectfully,

Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

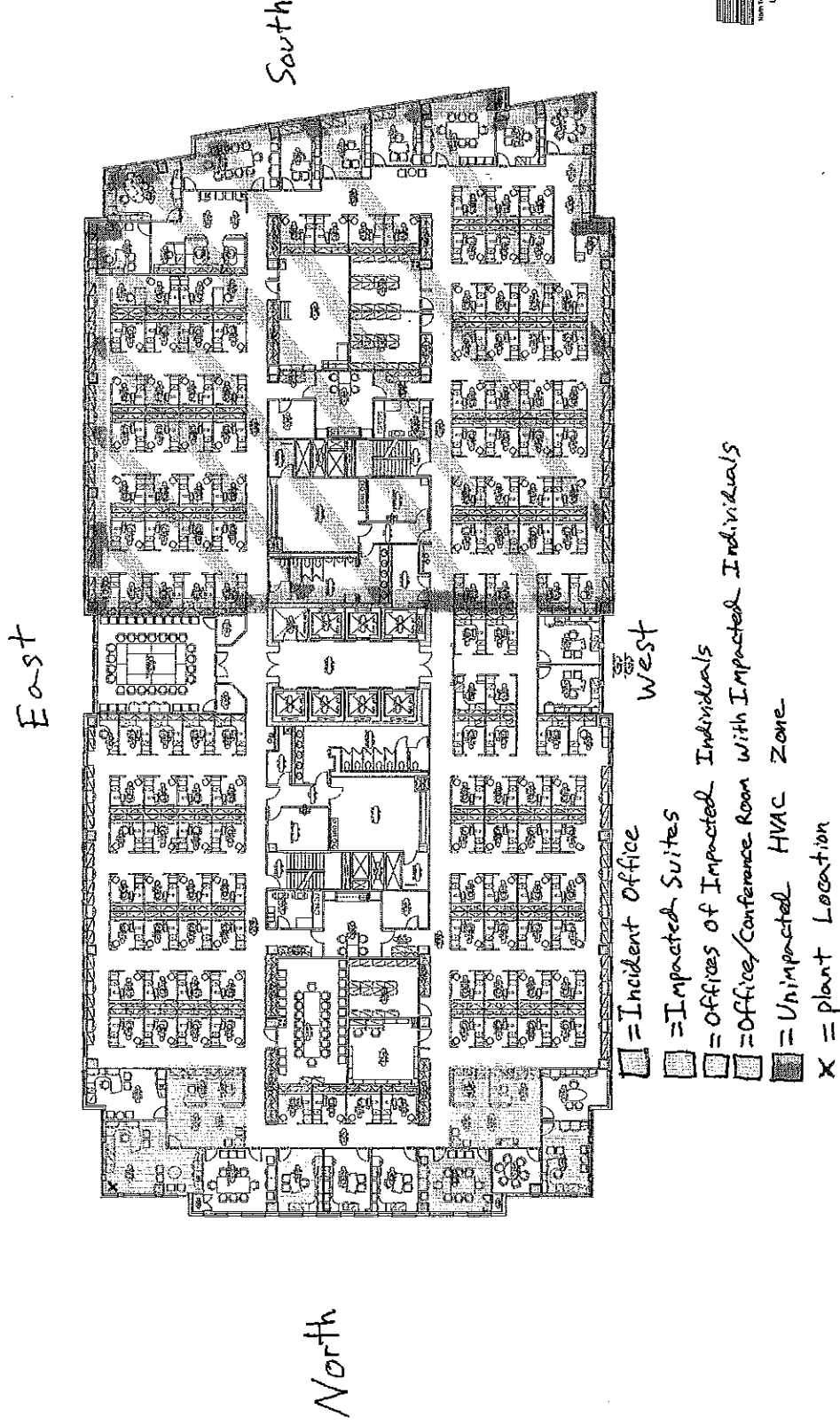




APPROVED/DATE

DESIGN INTENT DRAWING/NOT FOR CONSTRUCTION  
Potomac Yard - 5th Floor - North  
Two Potomac Yard Arlington, Virginia  
Floor Plan

DATE: Jan. 13, 2014  
DRAWN: 2PY  
PROJECT: 2PY  
SHEET: 01





## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 5:19 PM  
**To:** Rees, Regina  
**Cc:** Hugh At HPE; Fielden, Daniel; Carpenter, Wesley; Wilson, Howard; Barbour-Swann, Shuan  
**Subject:** RE: Environmental Testing  
**Attachments:** removed.txt

Regina,

Dr. Granger would like to see pest application logs. You were going to send them in a separate email. Did you provide them already and I missed them?

Thanks.  
Cassie

---

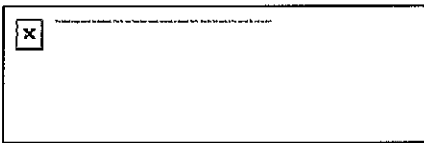
**From:** Rees, Regina [mailto:Regina.Rees@cassidyurley.com]  
**Sent:** Monday, August 25, 2014 4:47 PM  
**To:** Watson, Cassie  
**Cc:** Carpenter, Wesley; Wilson, Howard; Fielden, Daniel; Barbour-Swann, Shuan; Hugh At HPE  
**Subject:** RE: Environmental. Testing

Thank you Cassie. We'll be available at 10:30 AM.

Should we plan to meet Dr. Granger in the lobby of 2733 Crystal Drive at this time or on the 5<sup>th</sup> floor?

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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---

**From:** Watson, Cassie [mailto:Watson.Cassie@epa.gov]  
**Sent:** Monday, August 25, 2014 4:28 PM  
**To:** Rees, Regina  
**Cc:** Carpenter, Wesley; Wilson, Howard; Fielden, Daniel; Barbour-Swann, Shuan; Hugh At HPE; Allamano, Jonell

**Subject:** Environmental. Testing

**Importance:** High

Hello Regina,

To address your request regarding tomorrow, Dr. Granger is available any time after 10:30 a.m. and he would like to view all mechanical systems that could have been involved in and/or had an impact on the incident on the fifth floor of Potomac Yard North. This includes local HVAC (e.g., VAVs, returns), building HVAC (e.g., intakes, AHUs, filtration systems), building water systems, etc. Depending on what the team sees they may want to look at additional spaces they feel are necessary (e.g., the loading dock area where the plant was moved to). These spaces will be those discussed during the conference call with you (Cassidy Turley), USAA, USAA's industrial hygiene firm (Gobbell Hays Partners), EPA, and Dr. Granger on August 14.

Second, we have followed up with Federal Occupational Health about sampling and have decided on the following sampling plan. We are looking to perform the sampling this Wednesday, August 27, but will inform you of the finalized date and time as it is available. The reason that this timeframe isn't confirmed is that the environmental firm has to order and receive the sampling media from the laboratory.

Please use the attached map as a reference when interpreting the plan information.

**Sampling Plan**

Air and wipe samples for pyrethrins and piperonyl butoxide will be collected in 10 locations.

**# of Samples – Map Color – Location**

- 1 – Orange – Incident office
- 2 – Yellow – Open space suites directly outside impacted offices
- 1 – Green – Office of impacted individual (one of two potential areas)
- 2 – Purple – Office and conference room with impacted individual
- 1 – Blue – Unimpacted HVAC zone on same floor
- 1 – Not on the map – Same HVAC zone as incident office, but unimpacted area
- 1 – Not on the map – Different/Unimpacted floor
- 1 – Not on the map – Control/Field blank

We plan to have our contracted industrial hygienist, Daniel Fielden, accompany the FOH environmental team when they are on-site.

Thank you again for all of your help and please let me know if you have any questions or concerns.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyturley.com>]

**Sent:** Monday, August 25, 2014 10:24 AM

**To:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard

**Subject:** RE: Environmental. Testing

Thanks – I will also need a summary of what Dr. Granger will be looking at/sampling prior to his visit tomorrow.

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Vice President  
Cassidy Turley  
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Arlington, VA 22202

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**Regina Rees**  
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Respectfully,

Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

5





## Fielden, Daniel

---

**From:** Hugh At HPE <hgranger@hpenviron.com>  
**Sent:** Monday, August 25, 2014 2:24 PM  
**To:** Huff, Mark J  
**Cc:** Prince, Roy; Watson, Cassie; Wilson, Howard; Carpenter, Wesley  
**Subject:** Re: Draft IAQ Incident Report for review

I am ready. If you want to do [REDACTED] 7 please do.

R. Hugh Granger, Ph.D.  
HP Environmental, Inc.

On Aug 25, 2014, at 12:18 PM, "Huff, Mark J" <[huff.markj@epa.gov](mailto:huff.markj@epa.gov)> wrote:

I have a meeting from 2:30-3:30 but perhaps you could speak to Roy or we can talk in the morning. Just let us know.

Thanks

---

**From:** Hugh At HPE [<mailto:hgranger@hpenviron.com>]  
**Sent:** Monday, August 25, 2014 2:15 PM  
**To:** Huff, Mark J  
**Cc:** Watson, Cassie; Wilson, Howard; Carpenter, Wesley  
**Subject:** Re: Draft IAQ Incident Report for review

Mark. In 25 min I will be through security at the airport. Will you have a moment for a call?

Hugh

R. Hugh Granger, Ph.D.  
HP Environmental, Inc.

On Aug 25, 2014, at 12:03 PM, "Huff, Mark J" <[huff.markj@epa.gov](mailto:huff.markj@epa.gov)> wrote:

Thanks for incorporating our comments in your next draft iteration.

On the question of when to release the draft report- I strongly recommend that we wait until we have the indoor air sampling results and SHEMD have taken all the recommended remediation steps in section "5. Conclusions and Recommendations" since the report takes the stance that it is safe for folks to re-inhabit the 5<sup>th</sup> floor effected space.

Additionally, if the report does reach the conclusion that the space is safe to re-inhabit the 5<sup>th</sup> floor effected space, ORCR management will need guidance from SHEMD on what basis ORCR management should continue to allow folks to work from home or provide similar accommodations. As Roy identified we have relocated over 20 staff members out of the 5<sup>th</sup> floor effected space and telling folks it is safe to go back to their original locations (and it's our expectation that they will be returned to their space) will be a very difficult message to deliver.

FYI- neither Barnes or our acting Deputy Office Director will be available for Thursday's All-Hands meeting so I will introduce SHEMD folks and Dr Granger and let you guys take it from there.

We'd certainly be open to a pre-meeting to help you prep for Thursday's All-hands meeting- just let us know.

---

**From:** Hugh At HPE [<mailto:hgranger@hpenviron.com>]  
**Sent:** Monday, August 25, 2014 12:41 PM  
**To:** Prince, Roy  
**Cc:** Huff, Mark J; Watson, Cassie; Wilson, Howard  
**Subject:** Re: Draft IAQ Incident Report for review

Roy.

Thank you for your comments. It is not worth understating any condition of occupancy. I will adjust the wording to be more conservative in my description. Unfortunately I am driving to Albuquerque so the changes will be made from the airport in a couple of hours

Are you intended to release this draft? If so, when? I know I will have some edits myself but that version might be tomorrow morning. Please advise.

Hugh

R. Hugh Granger, Ph.D.  
HP Environmental, Inc.

On Aug 25, 2014, at 10:36 AM, "Prince, Roy" <[Prince.Roy@epa.gov](mailto:Prince.Roy@epa.gov)> wrote:

Hugh: the highlighted words on these two sections jumped out at me a bit. You may not be aware but we moved about 20 people or so out of their cubes in one section of the 5<sup>th</sup> floor and moved them to other cubes on the 5<sup>th</sup> and 6<sup>th</sup> floors. They have not returned to that space yet. I'm not sure if your phrasing comports well with the actual situation.

The building ventilation systems have been returned to standard operational settings, carpet and ceiling tiles that were removed have been replaced, and the general work environment has returned to normal for most occupants. Communications based on findings from this technical review are scheduled shortly after release of this report.

### 3.6. Analysis/Conclusions

The IAQ incident involves two components; (1) the potential release of, and occupant exposure to, a common household insecticide and (2) the release of

an odorant with an effect that persisted in the indoor environment for several weeks. Both components of this IAQ incident are related to use of a common insecticide product. The reported health effects associated with the IAQ incident are consistent with exposure to an odorant/irritant chemical. Response actions including removal of insecticide product sources and optimization of mechanical ventilation of the space improved the quality of the indoor environment and occupant satisfaction with the indoor environment. The odor related to the IAQ incident is no longer detected with any consistency and most occupants have returned to work on the 5th floor.

-----Original Message-----

From: Dr. R Hugh Granger Ph.D. [mailto:hgranger@hpenviron.com]  
Sent: Monday, August 25, 2014 12:13 PM  
To: Prince, Roy; Huff, Mark J  
Cc: Watson, Cassie; Wilson, Howard  
Subject: Draft IAQ Incident Report for review

Mark and Roy,

I am headed to catch a plane to come and visit you. I have a new draft of the IAQ Incident report that includes a narrative (preamble and Introduction sections) that I hope eases the reader into the technical discussion and also answers pressing questions earlier in the document. I am still not satisfied with parts of the document and I have not had a chance to re-read/proof some of the later sections, but I will do this on the plane. If you could please take some time and review the draft and please let me know if these modifications address some of the issues you raised during our telephone conversations. I am always open to suggestions.

Regards,

Hugh



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Thursday, September 04, 2014 4:16 PM  
**To:** Prince, Roy  
**Subject:** RE: pyrethrin info

ok

---

**From:** Prince, Roy  
**Sent:** Thursday, September 04, 2014 4:12 PM  
**To:** Wilson, Howard  
**Subject:** RE: pyrethrin info

Howard: please respond to Mike and use the latter explanation. I've already informed him that the information had not been sent to Dr. Granger until today. Thanks very much.

Roy

---

**From:** Wilson, Howard  
**Sent:** Thursday, September 04, 2014 3:57 PM  
**To:** Prince, Roy  
**Subject:** FW: pyrethrin info

Roy: How would you like to handle the response to Mr Galbraith. We could say his information was provided to Dr. Granger and here is his response and edit the intro para of what Hugh sent to me. I can also write to Mr. Galbraith. Let me know your thoughts..... I can also do a mea culpa and admit that the information was not sent initially and we wanted to insure that Dr. Granger was aware of his input and that we asked for Dr. Granger's response and here it is.

---

**From:** Dr.R Hugh Granger Ph.D. [<mailto:hgranger@hpenviron.com>]  
**Sent:** Thursday, September 04, 2014 1:10 PM  
**To:** Wilson, Howard  
**Subject:** Re: pyrethrin info

Howard,

Thank you for forwarding Mr. Galbraith's e-mail that alerts me to NOAA's hazardous chemical database and its section on pyrethrins. It is very helpful to have everyone contributing to the review of the IAQ incident and Mr. Galbraith's e-mail is no exception.

I do use the NOAA Hazardous Chemical database quite frequently and I had previously reviewed all of the attached information during my work leading to my report about the IAQ incident. It never hurts to take another look at all of this information, so I did. In summary the information that Mr. Galbraith directed me to is primarily special handling and spill response information for the raw pyrethrin extract (the material we were dealing with is a 1,000+ aqueous dilution of this product). The warnings and advice offered in the database are in perfect sync with all of the information I have reviewed. Let me explain in a little more detail.

The database does not post a "reactive alert" for pyrethrins. The database does point out the the pyrethrin molecule contains a reactive molecular group (primarily ester), but this is pointing out what we already know, that the pyrethrin

molecule is prone to degrade at the chemical bond associated with its ester linkage. This "hydrolysis" reaction is not explosive but it is slightly exothermic, as all hydrolysis reactions are. The database does note that this hydrolysis can be triggered by strong oxidizers, the types of chemicals we tested for in the domestic water dispensed from the tap in the 5th floor galley. As you may remember, I focused on piperonyl butoxide degradation as this molecule has many additional reactive groups (including ether linkages) when compared to pyrethrin and its degradation products are more closely associated with the structure of known odorants.

The database also alerts spill response personnel to use caution if they use dirt as a spill absorbent. This general warning is based on the potential for dirt to be contaminated with strong oxidants and these oxidants could produce rapid hydrolysis. In our case related to a pyrethrins based insecticide product, the plant soil had been in place for many years prior to this event, have been watered many times, and had not previously shown any reaction with the insecticide. For these and several other reasons, there is nothing that suggests the plant soil has a unique oxidizing capacity or played a role in the IAQ incident.

I certainly considered the possibility of a role for a strong oxidizing agent (hydrolyzing the piperonyl butoxide). While I did not conclude that the soil or plant could present an oxidative environment sufficient to trigger a rapid hydrolysis, I did consider the building domestic water as a potential source. As you know, I tested the water and found it not to be contaminated with oxidizing agents. In my final analysis, considering all of the circumstances related to this IAQ incident, the most likely explanation is that hydrolysis of piperonyl butoxide, a hydrolysis reaction initiated and driven by UV light and heat (sun), produced odorant by-products in situ (within the bottle). Of course pyrethrins would have also been hydrolyzed but their concentration is much lower and the byproducts are not as closely associated with odorants.

Again, I can only benefit from discussion about the basis for the 5th floor IAQ incident, and while the NOAA (Cameo) database information was already considered, I am always open to all new information.

Thank you for sending me this information. Please let me know if you would like any additional discussion on this topic.

Regards,

Hugh



R. Hugh Granger, Ph.D.  
Toxicologist & Laboratory Director  
HP Environmental, Inc.  
104 E. 1st St., Suite 11  
Herndon, Virginia 20170  
(703) 471-4200  
hgranger@hpemira.com

On Sep 4, 2014, at 9:59 AM, Wilson, Howard <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

Hugh: I have attached an email that Roy Prince forwarded to me from Michael Galbraith regarding pyrethrins interaction with soil. Michael apparently brought up this issue last week and you handled it well according to Roy, but Michael wants to know if his information was ever forwarded to you for your consideration. I sent it to Cassie and Dan but I have no record that it was ever sent to you. It would be great if you could look at his email and provide a short response to it and send it to me.

Thank you.

**From:** Wilson, Howard  
**Sent:** Thursday, August 07, 2014 8:45 AM  
**To:** Prince, Roy; Watson, Cassie  
**Subject:** RE: pyrethrin info

albrieth's

Roy: Tell Michael we appreciate any and all information as we try to explain the magnitude of the odor witnessed..

---

**From:** Prince, Roy

**Sent:** Thursday, August 07, 2014 8:35 AM

**To:** Wilson, Howard; Watson, Cassie

**Subject:** FW: pyrethrin info

Good morning Howard and Cassie. One of our employees came to see me this morning to let me know he'd done a bit of online research and wanted to forward me the info just in case it might be of some use. I let him know I'd be forwarding it to you should it be of help. Thank you very much.

Roy

---

**From:** Galbraith, Michael

**Sent:** Thursday, August 07, 2014 8:10 AM

**To:** Prince, Roy

**Subject:** FW: pyrethrin info

This may or may not be helpful – or you may have already found similar info...

In a nutshell, the following noaa websites imply pyrethrins fall into a chemical category that can react with soil exothermically generating noxious gases, extreme heat, etc.

To get the full picture, first click on <http://cameochemicals.noaa.gov/chemical/9035>.

Then in the **"Potentially Incompatible Absorbents"** section, click on "dirt". It will then take you to a page that lists different chemical categories for that broad chemical group that pyrethrins belong to, and further breaks down those categories into smaller categories that lists the possible adverse reactions (e.g., exothermic volatile gas generation that can cause fires.....

I'm no chemist, so I don't know which chemical group subcategory pyrethrins belong to, but one possible scenario that could have played out is he had a little insecticide left, diluted it a little bit with water, sprayed the plant, and then poured the remainder in the dirt, thus creating the reaction.

I also do not know what concentration of pyrethrins would have to be present to cause this reaction (e.g., this may apply only to industrial grade, highly concentrated pyrethrins)

Another scenario is he never diluted it down, and it was so old the majority of the water in the sprayer evaporated, leaving behind a more concentrated pyrethrin solution, which then reacted with the dirt.....

Note that although the msds does not list any possible adverse reactions, it does say in the q and A section that the product should never be applied to the potted soil – rather only sprayed on the leaves of the plant.... Hmmmmnnnn....





## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Friday, September 05, 2014 9:57 AM  
**To:** Galbraith, Michael  
**Cc:** Watson, Cassie; Prince, Roy; Hugh At HPE; Carpenter, Wesley  
**Subject:** FW: pyrethrin info

Michael:

I apologize that your information did not get passed on to Dr. Granger when Roy provided it to us. I appreciate your research and I forwarded to Dr. Granger for his review and response. He sent me his response yesterday and I have included it below. Please contact Cassie Watson or me if you have any questions regarding Dr. Granger's comments or if you have other questions or additional information you would like us to consider.

Thank you,

Howard

Howard,

Thank you for forwarding Mr. Galbraith's e-mail that alerts me to NOAA's hazardous chemical database and its section on pyrethrins. It is very helpful to have everyone contributing to the review of the IAQ incident and Mr. Galbraith's e-mail is no exception.

I do use the NOAA Hazardous Chemical database quite frequently and I had previously reviewed all of the attached information during my work leading to my report about the IAQ incident. It never hurts to take another look at all of this information, so I did. In summary the information that Mr. Galbraith directed me to is primarily special handling and spill response information for the raw pyrethrin extract (the material we were dealing with is a 1,000+ aqueous dilution of this product). The warnings and advice offered in the database are in perfect sync with all of the information I have reviewed. Let me explain in a little more detail.

The database does not post a "reactive alert" for pyrethrins. The database does point out the the pyrethrin molecule contains a reactive molecular group (primarily ester), but this is pointing out what we already know, that the pyrethrin molecule is prone to degrade at the chemical bond associated with its ester linkage. This "hydrolysis" reaction is not explosive but it is slightly exothermic, as all hydrolysis reactions are. The database does note that this hydrolysis can be triggered by strong oxidizers, the types of chemicals we tested for in the domestic water dispensed from the tap in the 5th floor galley. As you may remember, I focused on piperonyl butoxide degradation as this molecule has many additional reactive groups (including ether linkages) when compared to pyrethrin and its degradation products are more closely associated with the structure of known odorants.

The database also alerts spill response personnel to use caution if they use dirt as a spill absorbent. This general warning is based on the potential for dirt to be contaminated with strong oxidants and these oxidants could produce rapid hydrolysis. In our case related to a pyrethrins based insecticide product, the plant soil had been in place for many years prior to this event, have been watered many times, and had not previously shown any reaction with the insecticide. For these and several other reasons, there is nothing that suggests the plant soil has a unique oxidizing capacity or played a role in the IAQ incident.

I certainly considered the possibility of a role for a strong oxidizing agent (hydrolyzing the piperonyl butoxide). While I did not conclude that the soil or plant could present an oxidative environment sufficient to trigger a rapid hydrolysis, I did consider the building domestic water as a potential source. As you know, I tested the water and found it not to be contaminated with oxidizing agents. In my final analysis, considering all of the circumstances related to this IAQ incident, the most likely explanation is that hydrolysis of piperonyl butoxide, a hydrolysis reaction initiated and driven by UV light and heat (sun), produced odorant by-products in situ (within the bottle). Of course pyrethrins would have also been hydrolyzed but their concentration is much lower and the byproducts are not as closely associated with odorants.

Again, I can only benefit from discussion about the basis for the 5th floor IAQ incident, and while the NOAA (Cameo) database information was already considered, I am always open to all new information.

Thank you for sending me this information. Please let me know if you would like any additional discussion on this topic.

Regards,

Hugh



R Hugh Granger, Ph.D.  
Toxicologist & Laboratory Director  
HP Environmental, Inc.  
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Herndon, Virginia 20179  
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**From:** Prince, Roy  
**Sent:** Thursday, August 07, 2014 8:35 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Subject:** FW: pyrethrin info

Good morning Howard and Cassie. One of our employees came to see me this morning to let me know he'd done a bit of online research and wanted to forward me the info just in case it might be of some use. I let him know I'd be forwarding it to you should it be of help. Thank you very much.

Roy

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**From:** Galbraith, Michael  
**Sent:** Thursday, August 07, 2014 8:10 AM  
**To:** Prince, Roy  
**Subject:** FW: pyrethrin info

This may or may not be helpful – or you may have already found similar info...

In a nutshell, the following noaa websites imply pyrethrins fall into a chemical category that can react with soil exothermically generating noxious gases, extreme heat, etc.

To get the full picture, first click on <http://cameochemicals.noaa.gov/chemical/9035>.

Then in the **“Potentially Incompatible Absorbents”** section, click on “dirt”. It will then take you to a page that lists different chemical categories for that broad chemical group that pyrethrins belong to, and further breaks down those categories into smaller categories that lists the possible adverse reactions (e.g., exothermic volatile gas generation that can cause fires.....

I’m no chemist, so I don’t know which chemical group subcategory pyrethrins belong to, but one possible scenario that could have played out is he had a little insecticide left, diluted it a little bit with water, sprayed the plant, and then poured the remainder in the dirt, thus creating the reaction.

I also do not know what concentration of pyrethrins would have to be present to cause this reaction (e.g., this may apply only to industrial grade, highly concentrated pyrethrins)

Another scenario is he never diluted it down, and it was so old the majority of the water in the sprayer evaporated, leaving behind a more concentrated pyrethrin solution, which then reacted with the dirt.....

Note that although the msds does not list any possible adverse reactions, it does say in the q and A section that the product should never be applied to the potted soil – rather only sprayed on the leaves of the plant.... Hmmmnnnn....





**TIDEWATER INC**

**ENGINEERS / SCIENTISTS / PROGRAM MANAGERS**

September 26, 2014

CAPT Jeff Church, REHS, CSP, CIH  
Senior Program Manager, Environmental,  
Health, and Safety Services  
Federal Occupational Health (FOH)  
Program Support Center  
U.S. Department of Health and Human Services  
4550 Montgomery Avenue, Suite 950  
Bethesda, MD 20814

via e-mail: [Jeffrey.Church@foh.hhs.gov](mailto:Jeffrey.Church@foh.hhs.gov)

**Re: Indoor Air Quality (IAQ) Assessment Services Report  
Environmental Protection Agency (EPA) Potomac Yard (North) Building – 5<sup>th</sup> Floor  
2733 Crystal Drive, Arlington, VA 22202  
Tidewater Project No.: 5379-005**

Dear CAPT Church:

On August 27, 2014, Tidewater, Inc. (Tidewater), represented by Industrial Hygienist, Mr. Jason M. Gauthier, performed an Indoor Air Quality (IAQ) assessment survey in select areas of the 5<sup>th</sup> Floor of the EPA Potomac Yard (North) building located at 2733 Crystal Drive in Arlington, Virginia. This assessment was conducted at the request of Federal Occupational Health (FOH) in response to IAQ complaints made by multiple tenant employees working on the 5<sup>th</sup> Floor of the building. These complaints included adverse health effects the employees attributed to the recent release of "Garden Safe Houseplant & Garden Insect Killer", a household pesticide containing Pyrethrum and Piperonyl Butoxide, within Office 5722. The pesticide was reportedly released within Office 5722 on July 3, 2014.

At the request of FOH, Tidewater performed an IAQ assessment on the 5<sup>th</sup> Floor of the building to document prevalent IAQ conditions. The Scope of Work (SOW) for the IAQ assessment, as approved by FOH, included the following:

- The collection of temperature, relative humidity, carbon dioxide (CO<sub>2</sub>), and carbon monoxide (CO) measurements using a direct read instrument in the incident office (Office 5722) and surrounding areas;
- The collection of Total Volatile Organic Compounds (TVOCs) measurements using a direct read instrument in the incident office (Office 5722) and surrounding areas;
- The collection of nine (9) air samples for laboratory analysis for Pyrethrins and Piperonyl Butoxide in the incident office (Office 5722), surrounding complaint areas, and non-complaint areas to establish typical background levels for these compounds; and
- The collection of nine (9) wipe samples for laboratory analysis for Pyrethrins and Piperonyl Butoxide residues from high contact surfaces in the incident office (Office 5722), surrounding complaint areas, and non-complaint areas to establish typical background residue levels for these compounds.



Tidewater was authorized to conduct this IAQ assessment via the acceptance of TIDE's proposed SOW and cost estimate, dated August 26, 2014, by CAPT Church. Tidewater was verbally authorized by Mr. Daniel Fielden, Contractor Industrial Hygienist for the USEPA/OARM/OA/SHMD, to conduct this assessment on August 27, 2014. Tidewater's industrial hygienist was accompanied by Mr. Fielden throughout the duration of this assessment.

### **Visual Observations**

Tidewater's investigation included a visual inspection of the incident office (Office 5722), surrounding complaint areas (Suite 5720, Office 5741, Conference Room 5771, Suite 5780, and Office 5782), and non-complaint areas (Pantry 5500, Pantry 5400, and Conference Room 4840) for indications of general indoor air quality problems. The results of Tidewater's observations are as follows:

- Building materials observed on the affected areas generally consisted of gypsum wallboard walls, suspended ceiling tile grid systems, and carpeted floors. Gypsum board ceilings were also observed in a few discreet locations. The perimeter walls contained large windows. The floors were generally accessed via a central elevator lobby.
- The tenant occupied spaces were generally observed to include open work stations/cubicle work areas, offices, conference rooms, and centrally located pantries/break areas and service center areas (printers, copies, etc.) Building mechanical spaces and restroom facilities were located in the central core area.
- Ceiling-mounted air exchange registers located throughout the tenant spaces were observed to be generally clean with only minor accumulations of dust.
- Tidewater observed the tenant occupied spaces to be generally clean and well maintained. No industrial chemicals or waste storage areas were observed within the tenant spaces.
- Tidewater did not observe any evidence of suspect microbial growth, active water intrusion, or standing water within the tenant spaces.
- Tidewater did not detect any unusual odors emanating from any of the areas assessed during this survey.

### **Air Quality Measurements**

During the assessment, Tidewater recorded temperature, relative humidity, carbon dioxide (CO<sub>2</sub>), and carbon monoxide (CO) measurements within the incident office, surrounding complaint areas, and non-complaint areas using a MetroSonics aq-5000 IAQ monitor (Serial Number 2157, Factory Calibrated May 9, 2014.) Measurements of TVOCs were also recorded within these areas using a MiniRAE 2000 direct read Photo Ionization Detector (PID) (Serial Number 110-002160, Factory Calibrated July 29, 2014.)

Measurements were recorded after allowing the devices to become acclimated to the ambient temperature and relative humidity for five (5) minutes. Background/ambient readings were obtained from the exterior of the building (4<sup>th</sup> Floor Patio/Green Roof area) for comparative analysis. Readings were recorded between approximately 1400 PM and 1429 PM.



The recorded IAQ readings are summarized in Table 1 below.

**TABLE 1: IAQ Assessments Air Testing Results**  
**EPA Potomac Yard (North) – 5<sup>th</sup> Floor**  
**August 27, 2014**

<b>Location</b>	<b>Temperature (°F)</b>	<b>Relative Humidity (%)</b>	<b>Carbon Monoxide (ppm)</b>	<b>Carbon Dioxide (ppm)</b>	<b>Total VOCs (ppm)</b>
Office [REDACTED] (Incident Office)	71.7	55.3	0.0	640	0.5
Suite [REDACTED] (Impacted Suite)	72.2	54.9	0.0	716	0.3
Office [REDACTED] (Impacted Individual)	72.5	54.1	0.0	656	0.0
Conference Room [REDACTED] (Impacted Individuals)	72.1	53.0	0.0	669	0.0
Suite [REDACTED] (Impacted Suite)	70.6	53.2	0.0	668	0.0
Office 5 [REDACTED] (Impacted Individuals)	71.5	53.7	0.0	637	0.0
Pantry 5500 (Non-complaint Area, same HVAC zone as Incident Office)	71.6	55.4	0.0	750	0.0
Pantry 5400 (Non-complaint Area, different HVAC zone than Incident Office)	71.9	55.3	0.0	729	0.0
Conference Room 4840 (Un-impacted Area)	72.0	50.0	0.0	813	0.0
4 <sup>th</sup> Floor Patio/Green Roof (Outside/Ambient)	83.5	51.7	0.0	545	0.0



### Temperature

According to the American Society for Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) guidelines Standard 55 – 2010, the temperature range in summer/ transitional season should be maintained between 73°F and 79°F for maximum occupant comfort. The ASHRAE guideline for temperature for winter/ transitional season is between 68.0°F and 74.5°F.

Temperature readings recorded in the assessed areas ranged from 70.6°F to 72.5°F, compared with an outside temperature of 83.5°F. All of the interior readings were marginally below the ASHRAE recommended comfort range for the summer/transitional season. Tidewater does not believe the temperature readings being recorded marginally below the ASHRAE recommended comfort range to be an indication of adverse IAQ within the building, or to be a contributing factor to the incident complaints.

### Relative Humidity

Per ASHRAE Standard 62.1 – 2010, a maximum recommended relative humidity level of 65% is recommended to reduce the likelihood of condensation on cold surfaces and potential microbial growth. The ideal comfortable relative humidity range has been reported as 40% to 60%, as long as building materials or contents are not adversely affected. OSHA recommends humidity control within a 20% to 60% range in their technical manual for indoor air quality investigations.

Measurements of relative humidity recorded in the assessed areas ranged from 50.0% to 55.4%, compared with 51.7% outside the building. All of the interior readings were within the ASHRAE and OSHA recommended ranges.

### Carbon Dioxide

ASHRAE Standard 62.1 – 2010 recommends that indoor CO<sub>2</sub> levels not exceed 700 parts per million (ppm) of CO<sub>2</sub> in excess of the outside air concentration. At a differential higher than 700 ppm, 80% of un-adapted individuals (visitors) would find air quality unacceptable (based upon non-specific contaminants, such as body odor and other bio-effluents.) This level should be used as a guideline that helps maximize comfort for all occupants.

Carbon dioxide readings recorded in the assessed areas ranged from 637 ppm to 813 ppm, compared with an outside reading of 545 ppm. All of the interior carbon dioxide readings were within the ASHRAE recommended guideline.

### Carbon Monoxide

The OSHA permissible exposure limit for CO is 50 ppm for an eight-hour permissible exposure limit. OSHA has proposed a time-weighted average exposure limit of 35 ppm, a ceiling level of 200 ppm, and an Immediately Dangerous to Life and Health (IDLH) level of 1,200 ppm. The Indoor Air Quality Association guideline for CO in an occupied indoor environment is 9 ppm.

All recorded CO concentrations collected during this assessment were 0.0 ppm. These measurements indicate that CO concentrations within the building are within acceptable limits.





### Total Volatile Organic Compounds

Although no recommended guidelines for airborne concentrations of total VOC's currently exist, guidelines for individual constituents do exist. The American Conference of Governmental Industrial Hygienists (ACGIH) has established a Threshold Limit Value (TLV) for total diesel hydrocarbons of 15 ppm for diesel vapor exposure, measured as an 8-hour time-weighted average (TWA).

Recorded TVOC concentrations collected during this assessment ranged from 0.0 ppm to 0.5 ppm. These measurements indicate that TVOC concentrations within the building are within acceptable limits.

### **Pyrethrins and Piperonyl Butoxide Air Sampling**

Tidewater collected a total of nine (9) air samples from representative building areas for laboratory analysis for Pyrethrins and Piperonyl Butoxide during this assessment. One (1) field blank sample was also submitted to the laboratory for Quality Assurance/ Quality Control (QA/QC) purposes. The samples were collected between approximately 1226 PM and 1502 PM. The sample locations and corresponding sample identifications are delineated below:

- Sample 082714-A01 - [REDACTED] (Incident Office);
- Sample 082714-A02 - Suite [REDACTED] (Impacted Suite);
- Sample 082714-A03 - Office [REDACTED] (Impacted Individual);
- Sample 082714-A04 - Conference Room [REDACTED] (Impacted Individuals);
- Sample 082714-A05 - Suite [REDACTED] (Impacted Suite);
- Sample 082714-A06 - Office [REDACTED] (Impacted Individuals);
- Sample 082714-A07 - Pantry 5500 (Non-complaint Area, same HVAC zone as Incident Office);
- Sample 082714-A08 - Pantry 5400 (Non-complaint Area, different HVAC zone than Incident Office);
- Sample 082714-A09 - Conference Room 4840 (Un-impacted Area); and
- Sample 082714-A10 - Field B blank.

Each sample was collected on a quartz filter (XAD-2 OVS) within a solid sorbent tube (SKC 226-58) using a dedicated Gillian BDXII air collection pump operating at a flow rate of 1.0 liter per minute (L/min.) The samples collected in the assessed areas had run times ranging from 123 minutes to 137 minutes for total volumes ranging from 123 liters to 137 liters of air. The sample media was stored in a transport cooler with an ice pack prior to the sampling event and during shipment to the laboratory. The samples were submitted for analysis to ALS Environmental (ALS), an AIHA-accredited analytical laboratory located in Salt Lake City, Utah, following rigorous chain of custody guidelines. The samples were analyzed for Pyrethrins and Piperonyl Butoxide via Gas Chromatography in accordance with modified NIOSH 5605 methodology.

For evaluation purposes, the sample results were compared to the current OSHA PEL, ACGIH TLV, and/or NIOSH REL (if available.) Established exposure limits for Pyrethrins include a PEL, TLV, and REL of 5 milligrams per cubic meter (mg/m<sup>3</sup>.) No occupational exposure limits have been established for Piperonyl Butoxide at this time; however, reference to an arbitrary limit of



10 mg/m<sup>3</sup> was included on OSHA's sampling and analytical methods webpage for this compound.

Analysis of the air samples collected in the assessed areas indicated concentrations of Piperonyl Butoxide ranging from less than 0.0036 mg/m<sup>3</sup> to less than 0.0041 mg/m<sup>3</sup>. Analysis of the field blank sample indicated a concentration of less than 0.50 micrograms per sample (µg/sample.) All of these results were below the arbitrary exposure limit for this compound, as well as below the laboratory's limit of detection for the analytical method.

A copy of the analytical reports, including Chain of Custody Forms, is included as Attachment A. A site diagram indicating sampling locations is included as Attachment B.

#### **Pyrethrins and Piperonyl Butoxide Residues Wipe Sampling**

Tidewater collected a total of nine (9) wipe samples from representative building areas for laboratory analysis for Pyrethrins and Piperonyl Butoxide residues during this assessment. The samples were generally collected from a desk top, conference table, or other horizontal surface with high contact potential in the assessed areas. One (1) field blank sample was also submitted to the laboratory for QA/QC purposes. The sample locations and corresponding sample identifications are delineated below:

- Sample 082714-W01 – Office [REDACTED] (Incident Office), Desk;
- Sample 082714-W02 – Suite [REDACTED] 0 (Impacted Suite), Desk;
- Sample 082714-W03 – Office [REDACTED] (Impacted Individual), Desk;
- Sample 082714-W04 – Conference Room [REDACTED] Table (Impacted Individuals);
- Sample 082714-W05 – Suite [REDACTED] (Impacted Suite), Desk;
- Sample 082714-W06 – Office [REDACTED] (Impacted Individuals), Desk;
- Sample 082714-W07 – Pantry 5500, Table (Non-complaint Area, same HVAC zone as Incident Office);
- Sample 082714-W08 – Pantry 5400, Counter (Non-complaint Area, different HVAC zone than Incident Office);
- Sample 082714-W09 – Conference Room 4840, Table (Un-impacted Area); and
- Sample 082714-W10 – Field Blank.

Each sample was collected using a laboratory-provided sterile cotton gauze pad moistened prior to the sample collection with isopropyl alcohol. An approximate two inch by two inch (2" x 2") area was wiped at each sample location for a total sampled area of four square inches (4 in<sup>2</sup>.) The wipe samples were collected after recording the air quality measurements and collecting the air samples at each location.

The sample media was stored in a transport cooler with an ice pack prior to the sampling event and during shipment to the laboratory. The samples were submitted for analysis to ALS Environmental, an AIHA-accredited analytical laboratory located in Salt Lake City, Utah, following rigorous chain of custody guidelines. The samples were analyzed for Pyrethrins and Piperonyl Butoxide via Gas Chromatography in accordance with modified NIOSH 5605 methodology.

Regulatory limits for concentrations of Pyrethrins and Piperonyl Butoxide residues on contact surfaces do not appear to have been established at this time.



Analysis of all wipe samples collected indicated that concentrations of Pyrethrins and Piperonyl Butoxide residues in all samples were less than 0.50 micrograms per sample ( $\mu\text{g}/\text{sample}$ .) All of these results were below the laboratory's limit of detection for the analytical method, indicating no detectable concentrations of Pyrethrin and Piperonyl Butoxide residues remained on the sampled surfaces.

A copy of the analytical report, including Chain of Custody, is included as Attachment A. A site diagram indicating sampling locations is included as Attachment B.

### **Conclusions and Recommendations**

Based on the results of the visual inspection and the measurements of air quality parameters, Tidewater offers the following conclusions and recommendations:

- Tidewater's observations of the incident office, surrounding complaint areas, and non-complaint areas during this assessment did not reveal any readily observable indications of general indoor air quality problems.
- Temperature measurements recorded in the assessed areas were all marginally below the ASHRAE recommended comfort range for the summer/transitional season. Tidewater does not believe these temperature readings are an indication of adverse IAQ within the building, or are likely to be a contributing factor to the incident complaints.
- Air quality measurements recorded by Tidewater during the assessment indicated relative humidity, carbon dioxide, carbon monoxide, and TVOC levels within the assessed areas were within regulatory and recommended guidelines.
- Analytical results for the Pyrethrins air samples were all below the established exposure limits, as well as below the laboratory's limit of detection for the analytical method.
- Analytical results for the Piperonyl Butoxide air samples were all below the arbitrary exposure limit for this compound, as well as below the laboratory's limit of detection for the analytical method.
- Analytical results for the Pyrethrins and Piperonyl Butoxide residues wipe samples were all below the laboratory's limit of detection for the analytical method, indicating no detectable concentrations of Pyrethrins and Piperonyl Butoxide residues remained on the sampled surfaces.

Based on these conclusions, Tidewater does recommend that the HVAC system serving the complaint area be adjusted, if feasible, to maintain temperatures within the recommended ASHRAE comfort ranges throughout the year.

### **Qualifications**

Tidewater has endeavored to assess existing conditions in select areas of the 5<sup>th</sup> Floor of the EPA Potomac Yard (North) building, located at 2733 Crystal Drive in Arlington, Virginia, as they pertain to IAQ complaints related to the release of "Garden Safe Houseplant & Garden Insect Killer", a household pesticide containing Pyrethrum and Piperonyl Butoxide, within Office 5722 on July 3, 2014. Regardless of the thoroughness of our investigation, it is possible that some contributing factor has been overlooked or that circumstances have changed without our knowledge. Our results are based on the observations made on the day of our assessment,



**TIDEWATER INC**

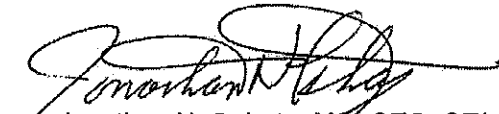
**ENGINEERS / SCIENTISTS / PROGRAM MANAGERS**

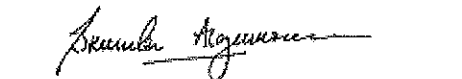
analytical laboratory data representative of the time samples were collected, and information provided by FOH. Actual conditions vary from day to day throughout the year.

Tidewater appreciates the opportunity to provide consulting services for Federal Occupational Health on this matter. Please contact us should any questions arise concerning this report or if we may be of further assistance.

Sincerely,  
**Tidewater, Inc.**

  
Jason M. Gauthier  
Project Manager

  
Jonathan N. Schatz, MS, CES, CEI  
Manager, IH Services

  
Skanda Abeysekere, MS, CIH, CSP  
Certified Industrial Hygienist

JMG/JNS/SA

**Attachments:** Attachment A – Analytical Laboratory Report and Chain of Custody  
Attachment B – Sample Locations Diagram



**TIDEWATER INC**

**ENGINEERS / SCIENTISTS / PROGRAM MANAGERS**

## **Attachment A**

### **Analytical Laboratory Report and Chain of Custody**



## ANALYTICAL REPORT

Report Date: September 11, 2014

Jonathan N. Schatz  
Tidewater, Inc  
6625 Selnick Drive  
Suite A  
Elkridge, MD 21075

Phone: 410-997-4458  
Fax: 410-997-8713  
E-mail: jonathan.schatz@tideh2o.net

Workorder: **34-1424123**  
Client Project ID: 082714-FOH 082814  
Purchase Order: 082714-FOH  
Project Manager: Jessica Helland

### Analytical Results

Sample ID: <b>082714-A01</b>		Collected: 08/27/2014	
Lab ID: 1424123001		Received: 08/28/2014	
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 123 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0041	0.50
Pyrethrum	<0.50	<0.0041	0.50

Sample ID: 082714-A02		Collected: 08/27/2014	
Lab ID: 1424123002		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 126 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0040	0.50
Pyrethrum	<0.50	<0.0040	0.50

Sample ID: 082714-A03		Collected: 08/27/2014	
Lab ID: 1424123003		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 128 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0039	0.50
Pyrethrum	<0.50	<0.0039	0.50

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ALS GROUP USA, CORP. An ALS Limited Company

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

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## ANALYTICAL REPORT

Workorder: **34-1424123**  
Client Project ID: 082714-FOH 082814  
Purchase Order: 082714-FOH  
Project Manager: Jessica Helland

### Analytical Results

Sample ID: 082714-A04		Collected: 08/27/2014	
Lab ID: 1424123004		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 129 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0039	0.50
Pyrethrum	<0.50	<0.0039	0.50

Sample ID: 082714-A05		Collected: 08/27/2014	
Lab ID: 1424123005		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
Analyzed: 09/10/2014			
Sampling Parameter: Air Volume 129 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0039	0.50
Pvrethrum	<0.50	<0.0039	0.50

Sample ID: 082714-A06		Collected: 08/27/2014	
Lab ID: 1424123006		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 128 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0039	0.50
Pyrethrum	<0.50	<0.0039	0.50

Sample ID: 082714-A07		Collected: 08/27/2014	
Lab ID: 1424123007		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
Analyzed: 09/10/2014			
Sampling Parameter: Air Volume 134 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0037	0.50
Pyrethrum	<0.50	<0.0037	0.50

Sample ID: 082714-A08		Collected: 08/27/2014	
Lab ID: 1424123008		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
Analyzed: 09/10/2014			
Sampling Parameter: Air Volume 135 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0037	0.50

Results Continued on Next Page



## ANALYTICAL REPORT

Workorder: **34-1424123**

Client Project ID: 082714-FOH 082814

Purchase Order: 082714-FOH

Project Manager: Jessica Helland

### Analytical Results

Sample ID: <b>082714-A08</b>		Collected: 08/27/2014	
Lab ID: 1424123008		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: <b>NIOSH 5605</b>		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume 135 L			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Pyrethrum	<0.50	<0.0037	0.50

Sample ID: <b>082714-A09</b>		Collected: 08/27/2014	
Lab ID: 1424123009		Received: 08/28/2014	
Method: <b>NIOSH 5605</b>		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: <b>Air Volume 137 L</b>			
Analyte	ug/sample	mg/m <sup>3</sup>	RL (ug/sample)
Piperonyl butoxide	<0.50	<0.0036	0.50
Pvrethrum	<0.50	<0.0036	0.50

Sample ID: 082714-A10		Collected: 08/27/2014	
Lab ID: 1424123010		Received: 08/28/2014	
Sampling Location: 082714-FOH			
Method: NIOSH 5605		Media: SKC 226-58, Sorbent Tube, XAD-2 OVS, Quartz Filter	
		Analyzed: 09/10/2014	
Sampling Parameter: Air Volume Not Applicable			
Analyte	ug/sample	mg/m³	RL (ug/sample)
Piperonyl butoxide	<0.50	NA	0.50
Pyrethrum	<0.50	NA	0.50

Sample ID: 082714-W01		Collected: 08/27/2014
Lab ID: 1424123011	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: NIOSH 5605	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50

Sample ID: 082714-W02		Collected: 08/27/2014
Lab ID: 1424123012	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: NIOSH 5605	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50





## ANALYTICAL REPORT

Workorder: **34-1424123**  
Client Project ID: 082714-FOH 082814  
Purchase Order: 082714-FOH  
Project Manager: Jessica Helland

### Analytical Results

Sample ID: <b>082714-W03</b>		Collected: 08/27/2014
Lab ID: 1424123013	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: <b>NIOSH 5605</b>	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50

Sample ID: <b>082714-W04</b>		Collected: 08/27/2014
Lab ID: 1424123014	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: <b>NIOSH 5605</b>	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50

Sample ID: <b>082714-W05</b>		Collected: 08/27/2014
Lab ID: 1424123015	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: <b>NIOSH 5605</b>	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50

Sample ID: <b>082714-W06</b>		Collected: 08/27/2014
Lab ID: 1424123016	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: <b>NIOSH 5605</b>	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50

Sample ID: <b>082714-W07</b>		Collected: 08/27/2014
Lab ID: 1424123017	Sampling Location: 082714-FOH	Received: 08/28/2014
Method: <b>NIOSH 5605</b>	Media: Wipe	Analyzed: 09/10/2014
Sampling Parameter: Area Not Provided		
Analyte	ug/sample	RL (ug/sample)
Piperonyl butoxide	<0.50	0.50
Pyrethrum	<0.50	0.50



## ANALYTICAL REPORT

Workorder: **34-1424123**  
Client Project ID: 082714-FOH 082814  
Purchase Order: 082714-FOH  
Project Manager: Jessica Helland

### Analytical Results

Sample ID: <b>082714-W08</b>		Collected: 08/27/2014	
Lab ID: 1424123018		Received: 08/28/2014	
Method: NIOSH 5605		Media: Wipe	
		Sampling Parameter: Area Not Provided	
Analyzed: 09/10/2014			
Analyte	ug/sample	RL (ug/sample)	
Piperonyl butoxide	<0.50	0.50	
Pyrethrum	<0.50	0.50	

Sample ID: <b>082714-W09</b>		Collected: 08/27/2014	
Lab ID: 1424123019		Received: 08/28/2014	
Method: NIOSH 5605		Media: Wipe	
		Sampling Parameter: Area Not Provided	
Analyzed: 09/10/2014			
Analyte	ug/sample	RL (ug/sample)	
Piperonyl butoxide	<0.50	0.50	
Pyrethrum	<0.50	0.50	

Sample ID: <b>082714-W10</b>		Collected: 08/27/2014	
Lab ID: 1424123020		Received: 08/28/2014	
Method: NIOSH 5605		Media: Wipe	
		Sampling Parameter: Area Not Applicable	
Analyzed: 09/10/2014			
Analyte	ug/sample	RL (ug/sample)	
Piperonyl butoxide	<0.50	0.50	
Pyrethrum	<0.50	0.50	

### Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method	Analyst	Peer Review
NIOSH 5605	/S/ Pooreun Lim 09/11/2014 11:09	/S/ Thomas J. Masoian 09/11/2014 12:09

### Laboratory Contact Information

ALS Environmental  
960 W Levoy Drive  
Salt Lake City, Utah 84123

Phone: (801) 266-7700  
Email: alsit.lab@ALSGlobal.com  
Web: www.alsslc.com



## ANALYTICAL REPORT

Workorder: **34-1424123**  
Client Project ID: 082714-FOH 082814  
Purchase Order: 082714-FOH  
Project Manager: Jessica Helland

### General Lab Comments

The results provided in this report relate only to the items tested.  
Samples were received in acceptable condition unless otherwise noted.  
Samples have not been blank corrected unless otherwise noted.  
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	<a href="http://www.aiclasscorp.com">http://www.aiclasscorp.com</a>
	Utah (NELAC)	DATA1	<a href="http://health.utah.gov/lab/labimp/">http://health.utah.gov/lab/labimp/</a>
	Nevada	UT00009	<a href="http://ndep.nv.gov/bsdwl/labservice.htm">http://ndep.nv.gov/bsdwl/labservice.htm</a>
	Oklahoma	UT00009	<a href="http://www.deq.state.ok.us/CSDnew/">http://www.deq.state.ok.us/CSDnew/</a>
	Iowa	IA# 376	<a href="http://www.iowadnr.gov/insideDNR/RegulatoryWater.aspx">http://www.iowadnr.gov/insideDNR/RegulatoryWater.aspx</a>
	Florida (TNI)	E871067	<a href="http://www.dep.state.fl.us/labs/bars/sas/qa/">http://www.dep.state.fl.us/labs/bars/sas/qa/</a>
	Texas (TNI)	T104704456-11-1	<a href="http://www.tceq.texas.gov/field/qa/lab_accred_certif.html">http://www.tceq.texas.gov/field/qa/lab_accred_certif.html</a>
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	<a href="http://www.aihaaccreditedlabs.org">http://www.aihaaccreditedlabs.org</a>
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	<a href="http://www.aiclasscorp.com">http://www.aiclasscorp.com</a>
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	<a href="http://www.aihaaccreditedlabs.org">http://www.aihaaccreditedlabs.org</a>
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	<a href="http://www.aiclasscorp.com">http://www.aiclasscorp.com</a>

### Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.  
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.  
ND = Not Detected, Testing result not detected above the LOD or LOQ.  
NA = Not Applicable.  
\*\* No result could be reported, see sample comments for details.  
< This testing result is less than the numerical value.  
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.





ALS Environmental  
Field Chain-of-Custody Record

13386/12

Page 1 of 1

Client Name & Address: <u>Tule Valley Inn</u> <u>6045 Selma Drive, Suite A</u> <u>Elkridge, MD 21075</u>			Project No.: <u>082714-F04</u>			Preservation Code	Sample Matrix Code	Sample for Matrix QC	Analyses Requested										No. of Containers	Matrix Codes: W) Water B) Bulk L) Liquid F) Filter S) Soil G) Wipe C) Solid M) Media  Preservation Codes: 1) Cool to 4°C 2) HCl to pH < 2, 4°C 3) H <sub>2</sub> SO <sub>4</sub> to pH < 2, 4°C 4) HNO <sub>3</sub> to pH < 2, 4°C 5) NaOH to pH > 12, 4°C 6) ZnOAc/NaOH to pH > 9, 4°C
Phone: <u>410-567-6948</u>			Project Name: <u>082714-F04</u>						<div>Pyro-Metals</div> <div>Pipette-wash Butoxide</div>											
FAX: <u>410-997-8713</u>			Sampler: (Signature) <u>[Signature]</u>																	
e-mail: <u>jasen@tulevalleyinn.com</u>																				
Field Sample Number	Site ID	Date	Time	APM Depth	ALS Sample Number														Remarks	
082714-W01	PM 5722	8/14/14	1426	Shut		1	6		X	X									NIOSH 5605 Method	
082714-W02	PM 5720		1428						X	X										
082714-W03	PM 5741		1430						X	X										
082714-W04	PM 5771		1433						X	X										
082714-W05	PM 5780		1434						X	X										
082714-W06	PM 5782		1436						X	X										
082714-W07	PM 5800		1439						X	X										
082714-W08	PM 5800		1441						X	X										
082714-W09	PM 5840		1445						X	X										
082714-W10	Field Blank								X	X										
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Rad <input type="checkbox"/> Flammable <input type="checkbox"/> Poison <input type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return to Client <input type="checkbox"/> Archive for _____ Months <input checked="" type="checkbox"/> Disposal by Lab (fees may be assessed if samples are retained longer than 3 months)						Requested Turn Around Time <input type="checkbox"/> 2 Days (Rush) <input checked="" type="checkbox"/> 7 Days (Rush) <input type="checkbox"/> 21 Days <input type="checkbox"/> 3 Days (Rush) <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> Other (Rush = email data by COB on day due. Surcharges assessed.)								
Relinquished by: (Signature) <u>[Signature]</u>						Received by: (Signature) <u>[Signature]</u>						Carrier/Airbill #: <u>1027</u>								
Relinquished by: (Signature)						Received by: (Signature)						Shipped to: <u>ALS Environmental</u> 960 West LeVoy Drive Salt Lake City, UT 84123 Phone: (800) 356-9135 Phone: (801) 266-7700 FAX: (801) 268-9992								
Relinquished by: (Signature)						Received by: (Signature)						Date: <u>08/29/14</u> Time: <u>1027</u>								

White - Laboratory Copy

Yellow - Client Copy

Schultz Company  
P. O. Box 4408  
Bridgeton, MO 63044-0408

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

## Hazardous Material Identification System - (HMIS)

HEALTH - 1	REACTIVITY - 0
FLAMMABILITY - 0	PERSONAL - Rubber gloves

<b>I Trade Name:</b> Garden Safe® Brand Houseplant & Garden Insect Killer			
<b>Product Type:</b> Liquid ready-to-use insecticide			
<b>Product Item Number:</b> HG-10422X-5		<b>Formula Code Number:</b> 21-0522	
<b>EPA Registration Number</b>	<b>Manufacturer</b>	<b>Emergency Telephone Numbers</b>	
4782125139609	Chemisco Division of United Industries Corporation 8494 Chapin Industrial Drive St. Louis, MO 63114	<b>For Chemical Emergency:</b> 1-800-633-2873 <b>For Information:</b> 1-800-257-3379 <b>Prepared by:</b> C. A. Duckworth <b>Date Prepared:</b> October 5, 2007	
<b>II Hazards Ingredient/Identify Information</b>		<b>III Physical and Chemical Characteristics</b>	
<b>Chemical</b> <b>Pyrethrins</b> CAS# 8003-34-7 <b>Piperonyl butoxide</b> CAS# 51-03-6	<b>%</b> 0.02 0.20	<b>OSHA PEL</b> NA NA	<b>ACGIH TLV</b> 5 mg/m³ NA
		<b>Appearance &amp; Odor:</b> Spray mist with clear wet film. <b>Boiling Point:</b> 215° F <b>Melting Point:</b> NA <b>Vapor Pressure:</b> NA <b>Specific Gravity:</b> 1.0 (H₂O = 1) <b>Vapor Density:</b> Greater than 1 (Air = 1) <b>% Volatile (by vol.):</b> 99% <b>Solubility in Water:</b> Greater than 99% <b>Evaporation Rate:</b> Less than 1 (Butyl Acetate = 1)	
<b>IV Fire and Explosive Hazards Data</b>		<b>V Reactivity Data</b>	
<b>Flash Point:</b> NA - Will not burn <b>Flammable Limits:</b> NA <b>Autoignition Temperature:</b> NA <b>Fire Extinguishing Media:</b> Water fog, Carbon dioxide, Dry chemical <b>Decomposition Temperature:</b> NA <b>Special Fire-Fighting Procedures:</b> Use procedures for elimination of original fire source. <b>Unusual Fire &amp; Explosion Hazards:</b> None. Also see Section V.		<b>Stability:</b> Stable <b>Polymerization:</b> Will not occur <b>Conditions to Avoid:</b> None <b>Incompatible Materials:</b> NA <b>Hazardous Decomposition or Byproducts:</b> NA	
<b>VI Health Hazard Data</b>		<b>VII Precautions for Safe Handling and Use</b>	
<b>Ingestion (Swallowing):</b> Harmful if swallowed. <b>First Aid:</b> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Never give anything by mouth to an unconscious person. <b>Skin Contact:</b> Harmful if absorbed through skin. <b>First Aid:</b> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. <b>Eye Contact:</b> Avoid contact with eyes. <b>First Aid:</b> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first five minutes then continue rinsing eye. <b>Inhalation Toxicity:</b> If inhaled move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth. <b>Avoid breathing vapors.</b> <b>Special Notes:</b> None <b>Health conditions Aggravated by Exposure:</b> None under normal use <b>Ingredients listed by NTP, OSHA, or IARC as Carcinogens or Potential Carcinogens:</b> None		<b>Steps to be Taken in Case Material is Released or Spilled:</b> Avoid contact with liquid. Soak up with absorbent material. <b>Waste Disposal:</b> Do not reuse container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency for disposal instructions. <b>Handling &amp; Storage Precautions:</b> Do not store where temperatures can exceed 54° C/130° F.	
<b>VIII Control Measures</b>		<b>IX Transportation Data</b>	
Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.		<b>DOT:</b> Not Regulated by DOT (limited quantity exception) <b>IMDG:</b> Not Regulated by IMDG (limited quantity exception) <b>IATA:</b> Not Regulated by IATA (limited quantity exception)	

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.



**TIDEWATER** INC

**ENGINEERS / SCIENTISTS / PROGRAM MANAGERS**

## **Attachment B**

### **Sample Locations Diagram**



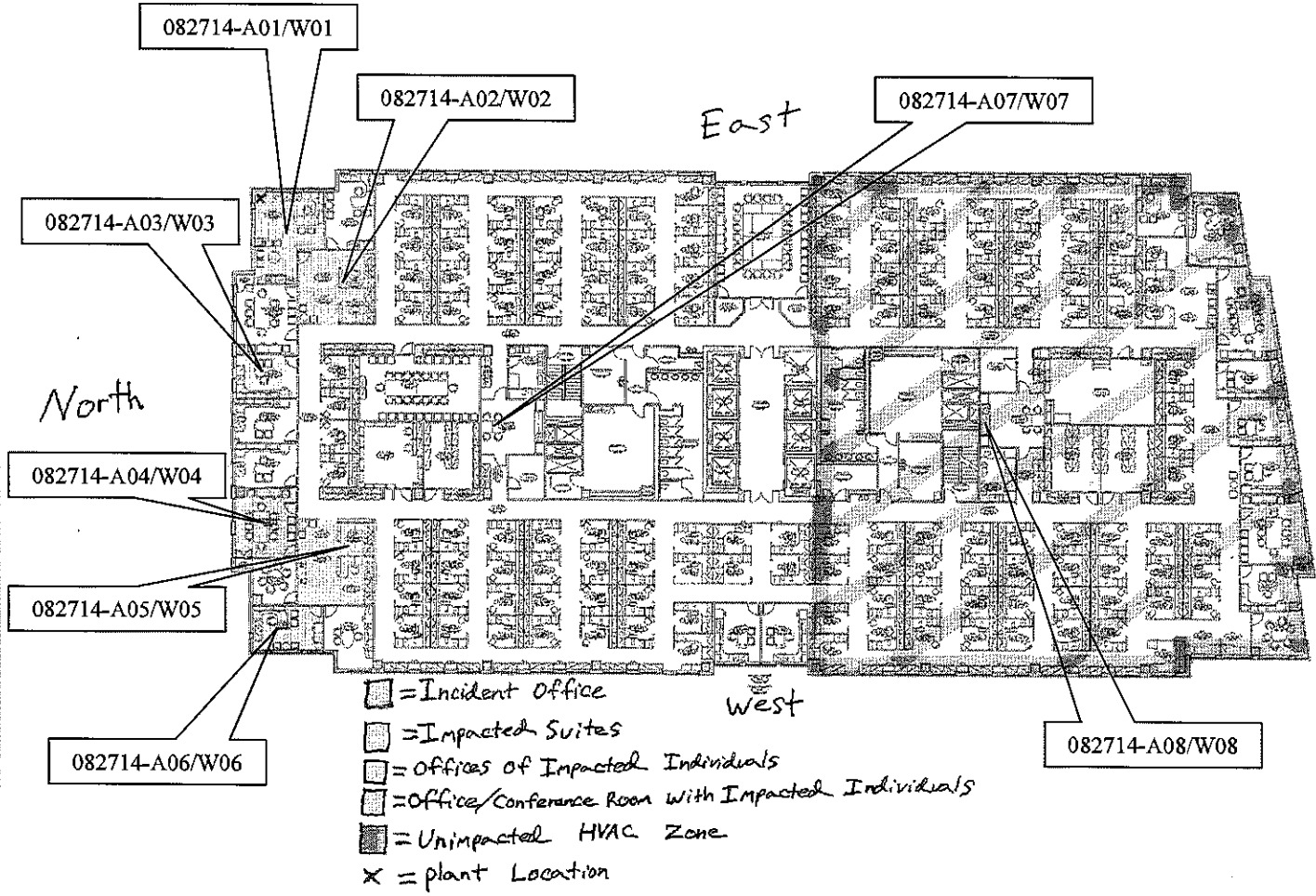
APPROVAL/DATE

DESIGN INTENT DRAWING NOT FOR CONSTRUCTION

Potomac Yard - 5th Floor - North  
Two Potomac Yard Arlington, Virginia  
Floor Plan

DATE/REVISION

DATE: 8/23/2014  
DESIGN: [blank]  
DRAWN: [blank]  
APPROVED: 2PY  
SHEET: 10



	<p>Attachment B – Figure 1 EPA Potomac Yard (North) – 5th Floor 2733 Crystal Drive Arlington, VA 22202</p>	<p>Scale: N/A</p>	<p>General Notes</p>
		<p>Project #: 5379-005 Date: August 27, 2014</p>	<p>082714-A09/W09 collected in Conference Room 4840 (un-impacted Area) on the 4<sup>th</sup> Floor. Ob2714-A10/W10 are Field Blank samples.</p>



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Tuesday, November 04, 2014 6:49 AM  
**To:** Dr. R Hugh Granger Ph.D.  
**Subject:** Fw: ORCR All-hands Meeting regarding 5th Floor

Fyi

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** (b) (6)  
**Sent:** Monday, November 3, 2014 4:46 PM  
**To:** Hopkins, Steve; Prince, Roy; Rathbun, Daniel; Coomber, Robert; Al-Mudallal, Amer; Lynne, Diane; Pastorkovich, Anne-Marie; James, Nathaniel; Carpenter, Wesley; Wilson, Howard; Watson, Cassie; Smith, HelenT; Green, Bucky; Rees, Regina; OSWER ORCR EVERYONE; Kovak, Brian; Bertrand, Charlotte; Hoskinson, Carolyn; Barolo, Mark  
**Subject:** RE: ORCR All-hands Meeting regarding 5th Floor

Steve,

I don't know the answers to your questions. Someone from management will have to respond. Thanks,

(b) (6)

Waste Characterization Branch  
Materials Recovery & Waste Management Division  
Office of Resource Conservation & Recovery  
U.S Environmental Protection Agency (MC-5304P)  
1200 Pennsylvania Ave, NW  
Washington, D.C. 20460

Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)

---

**From:** Hopkins, Steve  
**Sent:** Monday, November 03, 2014 12:07 PM  
**To:** Prince, Roy; Rathbun, Daniel; Coomber, Robert; Al-Mudallal, Amer; Lynne, Diane; Pastorkovich, Anne-Marie; James, Nathaniel; Carpenter, Wesley; Wilson, Howard; Watson, Cassie; Smith, HelenT; Green, Bucky; Rees, Regina; OSWER ORCR EVERYONE; Kovak, Brian; Bertrand, Charlotte; Hoskinson, Carolyn; Barolo, Mark  
**Subject:** RE: ORCR All-hands Meeting regarding 5th Floor

I can attend. I will have to catch the 10:30 shuttle to make the leave bank meeting at 11:00.

I had a call from OSHA but not connected.

Have we had earlier information on this? I've reached out to NTEU and they seem to have been previously involved but did not have anybody at the inspection last week.

Did we have an invite?

I heard that they were told that we were invited but did not attend.

I'm hearing that there was an event where people felt sick enough to seek medical attention, what is the Agency's policy on notifying the unions?

Steve Hopkins

-----Original Appointment-----

**From:** James, Nathaniel **On Behalf Of** Prince, Roy

**Sent:** Monday, November 03, 2014 8:05 AM

**To:** Hopkins, Steve

**Subject:** FW: ORCR All-hands Meeting regarding 5th Floor

**When:** Tuesday, November 04, 2014 9:00 AM-10:30 AM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Large Conference Room in Potomac Yard South Building

Can you attend this meeting?

-----Original Message-----

The Safety, Health, and Environmental Management Division and the toxicologist heading up the PY North 5<sup>th</sup> floor investigation will discuss their findings to date and answer questions.

### Call In information

Dial-In Number: [REDACTED]

Conference Code: [REDACTED]

## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Monday, July 28, 2014 9:35 AM  
**To:** Carpenter, Wesley  
**Subject:** FW: Request for Investigation and Inspection  
**Attachments:** Request for Investigation.pdf

FYI

Sent from my Windows Phone

-----Original Message-----

**From:** [REDACTED]  
**Sent:** 7/25/2014 2:49 PM  
**To:** "Watson, Cassie" <Watson.Cassie@epa.gov>  
**Cc:** "Barbour-Swann, Shuan" <Barbour-Swann.Shuan@epa.gov>; "Hoffman, Stephen" <Hoffman.Stephen@epa.gov>  
**Subject:** Request for Investigation and Inspection

Cassie,

As I mentioned yesterday, attached is the letter of request for the investigation and inspection concerning the July 3rd, 2014 pesticide release on the 5th Floor of Potomac Yards North. You will notice that it is signed by both myself and my colleague Mr. Stephen Hoffman. If you have any questions you can reach either of us. Mr. Hoffman's phone number is (703) 308-8686. This letter was also sent to you via our mail service today. Thank you for your assistance.

(b) (6)

[REDACTED]  
Waste Characterization Branch  
Materials Recovery & Waste Management Division Office of Resource Conservation & Recovery U.S Environmental  
Protection Agency (MC-5304P)  
1200 Pennsylvania Ave, NW  
Washington, D.C. 20460

[REDACTED]  
[REDACTED]  
Visit us at: [www.epa.gov/waste/homeland](http://www.epa.gov/waste/homeland)



July 25, 2014

Ms. Cassie Watson, Branch Chief  
Office of Administration and Resources Management  
Safety, Health and Environmental Management Division  
USEPA  
William Jefferson Clinton Building  
1200 Pennsylvania Ave, NW  
Mail Code 3207A  
Washington, D.C. 20460

Office of Federal Agency Safety and Health Programs  
OSHA  
U.S. Department of labor  
Washington, D.C. 20210

Dear Sir/Madam

RE: Request for Investigation and Inspection

(b) (6)

Background: On July 3, 2014 at approximately 8:30 am (b) (6) become aware of a strong vapor/odor prevailing through the 5<sup>th</sup> floor of US EPA's office located at 2733 South Crystal Drive, Arlington, Virginia. This odor was very noticeable and caused shortness of breath and watering of the eyes. Ross Elliott, Deputy Division Director of the Materials Recovery and Waste Management Division, Office of Resource conservation and Recovery informed (b) (6) there had been a release of a possible pesticide in or near the 5<sup>th</sup> floor office of (b) (6). Mr Elliot also recommended that all employees should immediately leave the work area. Ms. Charlotte Mooney sent out an email which included a MSDS sheet for Pyrethrins. We have not been officially informed that the source of the vapor/odor was in fact from Pyrethrins.

(b) (6) left the 5<sup>th</sup> floor cubicle on or about 11:30. (b) (6) left my 5<sup>th</sup> floor cubicle on or about 12:00 noon. On our exit of the floor we both experienced the strong odor/vapor noting that the concentration of the vapor appears to be stronger near cubicle 5838N and that the odor was evident in the elevator, in the lobby and was demonstrably stronger in the 3<sup>rd</sup> level of the garage and in the bike storage area. It was clear to us that the vapor/odor was being moved throughout the ventilation system of the building.

After leaving the building, (b) (6) experienced shortness of breath, minor watering of eyes and a slight headache which lasted approximately 1 hour (b) (6)

experienced similar symptoms including shortness of breath, eyes watering, and a headache that lasted into the night.

On July 23, 2014, a message was sent around by Ms. Betsy Devlin, the Division Director, (b) (6) indicating that individuals from another office on the same floor (who were also impacted by the release) were going to be moved to other areas of the building. As a result of that message, we learned from those employees that were being moved that others had ongoing health symptoms as a result of the incident that occurred on July 3<sup>rd</sup>, 2014. Upon learning that others were continuing to experience symptoms and with no information being provided by management about the situation, (b) (6) notified our offices' Occupations Safety and Health representative (Ms. Cassie Watson and Ms. Shuan Barbour-Swann) to inform them of the incident and that others were involved. Ms. Watson knew about the incident, however she was unaware that others in the building had also had symptoms of exposure. Ms. Watson suggested that we both file OSHA and EPA Injury, Illness & Near Miss Reports and to encourage others impacted by this incident to also file. Later on the day of July 23, 2014, Mr. Shuan Barbour, a health specialist, and the Building Manager (Helen Smith) showed up at (b) (6) desk to ask about what happened during the incident and since then. (b) (6) explained the situation as identified above. The building manager (Helen Smith) indicated that they were going to be doing some cleaning of carpets and surfaces overnight in the building but was unaware that there were other parts of the building that were affected. (b) (6) indicated to them, that the day of the incident the vapors from the pesticide had reach all parts of the 5<sup>th</sup> floor, which includes the locations that management was planning to move the people who were impact to.

On July 24<sup>th</sup>, 2014, (b) (6) and a colleague of his both were experiencing a burning sensation in their throats. His colleague attempted to go to the occupations nurse who was not in on Friday. (b) (6) notified his manager that he was feeling the same thing and was told to go home and work from home. As of this time on July 24<sup>th</sup>, 2014, we still are unaware of the extent of contamination and exposure ongoing on the 5<sup>th</sup> floor of the building. Workers are continuing to experience health symptoms indicative of some ongoing exposure.

The Occupational Safety and Health Act of 1970, Executive Order 12196 and 29 CFR 1960 require the heads of Federal agencies to furnish to employees places and conditions of employment that are free from job safety and health hazards. It is our opinion that a clear and present threat to human health existed during and after the release of a possible pesticide in our offices on July 3, 2014. We have officially filed OSHA and EPA Injury, Illness & Near Miss Reports on this release of a possible pesticide to our respective managers.

As on July 25, 2014 neither of us has been officially informed regarding the following information:

1. What was the source of the release which occurred on July 3, 2014
2. Were employees exposed to a pesticide?
3. What are the short and long term health effects of the possible exposure?
4. Why has no action been take to officially inform the employees regarding this release?
5. What is the basis for not taking air samples from the ventilation system to determine if any residual contaminants now exist?
6. What is the basis for not taking wipe samples on solid surfaces to determine if the vapor has caused contamination of surfaces?

Given the lack of actions noted above, it is our opinion that a violation of 29 CFR 1903.11 has occurred. It should be noted that 29 CFR 1903.11(d) Section 11(c)(10) provides that no employee may be discriminated against as a result filing OSHA and EPA Injury, Illness & Near Miss reports.

Request

We are therefore requesting that a formal investigation and inspection of the 5<sup>th</sup> floor and our respective work spaces to determine the source, nature and extent of contamination from the release of a pesticide on July 3, 2014. We are also requesting that a determination be made to find if a threat to human health existed at the time of the release or continues to exist. We are finally requesting that all the information required to address questions 1-6 be answered as part of this investigation. We believe that this request should be addressed as quickly as possible.

(b) (6)



CC: Betsy Devlin

Joseph Sylvester: AFGE

Amer Al-Mudallal: NTEU





## Fielden, Daniel

---

**Subject:** All Hands Re: July 3rd Pesticide Incident Call in [REDACTED]  
**Location:** DCRoomPYN6100Projector/DC-Potomac-Yard-North-OSW  
**Start:** Tue 7/29/2014 9:00 AM  
**End:** Tue 7/29/2014 10:00 AM  
**Recurrence:** (none)  
**Meeting Status:** Accepted  
**Organizer:** Johnson, Barnes  
**Required Attendees:** OSWER ORCR EVERYONE; Watson, Cassie; Green, Bucky; Al-Mudallal, Amer; James, Nathaniel; Barbour-Swann, Shuan  
**Optional Attendees:** Young, Jessica; Barr, Linda; Janjic, Ksenija; Taylor, Judy; Hansen, Gail; Cunningham, Carolyn; Gotay, Idali; Sturgeon, Shannon; Wilson, Joe; Miller, Jesse; Leith, Angie; Maid, Scott; Atagi, Tracy; Hofmann, Lee; Coughlan, Laura; Huggins, Richard; Sasseville, Sonya; Guernica, Mimi; Hartwell, Sara; Lausch, Robert; Meson, Kristina; Wittstruck, Nathan; Picardi, Rick; Mills, Jason; Kaps, Melissa; Palmer, Scott; Foerster, Kent; Keltz, Colleen; Johnson, Janice; Horton, Rachel; Fielden, Daniel; Wilson, Howard; Raia, Anthony; Galbraith, Michael; Suarez, Lana; Huff, Mark J  
**Categories:** Meetings

Please join us, facilities, and environmental health and safety in 6100 Tuesday July 29<sup>th</sup> at 9 am to discuss the PYN July 3<sup>rd</sup> 5<sup>th</sup> floor Pesticide Incident.

Adding a call-in number: [REDACTED]



## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Tuesday, July 29, 2014 8:36 AM  
**To:** Green, Bucky  
**Cc:** Prince, Roy; Wilson, Howard; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: Quick touch base this morning regarding Agenda for the meeting/how you would like to run the meeting??

We are. In the conference. Room with Mr. Barnes now

Sent from my Windows Phone

---

**From:** Johnson, Barnes  
**Sent:** 7/29/2014 8:13 AM  
**To:** Green, Bucky  
**Cc:** Prince, Roy; Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** Re: Quick touch base this morning regarding Agenda for the meeting/how you would like to run the meeting??

Sounds good.

Sent from my iPhone

On Jul 29, 2014, at 6:43 AM, "Green, Bucky" <[Green.Bucky@epa.gov](mailto:Green.Bucky@epa.gov)> wrote:

Hey Barnes and Roy,

I have reviewed the FMSD/Facilities response timeline with Cassidy Turley and forwarded that information to SHEMD. SHEMD reviewed their response timeline with me yesterday afternoon.

I think it would be helpful if we touched base with you all before the meeting to discuss an agenda/how you want to start the meeting.

Barnes (Just in case you are not familiar with all the folks coming over) -- Safety Health and Environmental Management Division >> Howard Wilson Dep Div Director, Cassie Watson -- Chief HQ operations, Shuan Barbour-Swan SHEMD HQ Operations, Dan Fielden (Tech support contractor to SHEMD)

Facilities Management Services Division - Me (both John Dady and Helen Smith are on vacation this week)

Cassidy Turley -- Regina Rees is from the building owner's property management firm. She will be attending the meeting to hear concerns directly from employees but does not plan to speak.

I will be over at PYN by about 8 am, everyone else is taking the shuttle arriving at about 8:30am. I am suggesting we meet at the PYN 4<sup>th</sup> floor café at 8:30 or at Barnes Johnson's office (PYN6622) at 8:30. Advise.

Thanks,

Bucky

Bucky Green

Chief, Sustainable Facilities Practices Branch

U.S. EPA

(w) 202 564-6371

(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

## Fielden, Daniel

---

**Subject:** Potomac Yard North 5th Floor Catch Up

**Start:** Mon 8/4/2014 1:00 PM  
**End:** Mon 8/4/2014 2:00 PM

**Recurrence:** (none)

**Meeting Status:** Accepted

**Organizer:** Green, Bucky  
**Required Attendees:** Dady, John; Smith, HelenT; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel

**Categories:** Meetings

Just to bring John and Helen up to speed on the Barnes Johnson All Hands meeting held 7/219/2014 and other information about the pesticide application incident in PYN 5<sup>th</sup> floor. Welcome Back John and Helen.



## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 9:27 AM  
**To:** Carpenter, Wesley; Green, Bucky; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Wilson, Howard  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Bucky, I'm currently working on a response with my staff. I'm available if you would like to meet.  
R/Cassie

---

**From:** Carpenter, Wesley  
**Sent:** 8/1/2014 9:13 AM  
**To:** Green, Bucky; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Bucky:

Per our discussion a few minutes ago, Howard will be in the office around 10 am. Cassie is also teleworking and can participate via phone. Please coordinate with them directly. Thanks.

Wes

---

**From:** Green, Bucky  
**Sent:** Friday, August 01, 2014 8:56 AM  
**To:** Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Carpenter, Wesley; Wilson, Howard; Watson, Cassie  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Hey Wes, and Daniel Fielden get me a copy of the original letter to OSHA and can we 3 meet sometime this morning ??

Thanks

Bucky

Bucky Green  
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U.S. EPA  
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---

**From:** Dey-Foy, Stacey  
**Sent:** Friday, August 01, 2014 6:35 AM  
**To:** Franklin, Tami; Blankenship, Steven; Jackson, Yvette; Dady, John; Green, Bucky; Carpenter, Wesley; Wilson, Howard; Watson, Cassie  
**Subject:** Re: OSHA Complaint No. 900683

Good morning.

Hi Wes,

Yvette and I are on leave today, Bucky is acting. For next week, it appears that our teams need to coordinate on this OSHA response with ORCR.

Stacey

Stacey B. Dey-Foy  
Director (Acting), Facilities Management and Services Division

U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
MC3902R  
Washington, D.C. 20460  
202- 564-1537 (direct)  
202-697-2470 (blackberry)  
202-565-3082 (fax)  
[Dey-Foy.Stacey@epa.gov](mailto:Dey-Foy.Stacey@epa.gov)

---

**From:** Franklin, Tami  
**Sent:** Friday, August 1, 2014 6:20:59 AM  
**To:** Blankenship, Steven; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Green, Bucky  
**Subject:** FW: OSHA Complaint No. 900683

Fyi

---

**From:** Johnson, Barnes  
**Sent:** Thursday, July 31, 2014 5:08 PM  
**To:** Prince, Roy  
**Cc:** ORCR IO; OSWER ORCR DDS; Noga, Vaughn; Franklin, Tami; Carpenter, Wesley; Wilson, Howard; Simon, Nigel; Bertrand, Charlotte; Breen, Barry  
**Subject:** FW: OSHA Complaint No. 900683

Dear Roy,

Will you and your team please take responsibility for responding to this complaint and meeting the several obligations that we now have? In reviewing my obligations let me offer some addition instructions.

1. We will need substantial assistance from OARM; particularly the direction that states we "must" provide documentation of our response actions.
2. There is an obligation to send this complaint to our unions. Please advise me on precisely who I need to send this to. I would like to do this tomorrow if possible.
3. There is an obligation to make this letter readily accessible to all of my employees via posting in the affected area. Facilities and Health and Safety should advise us on the locations that they believe this should be posted (the initial smell permeated the entire building so should it be posted in the lobby, the garage, etc.?). I would also at the same time I send it to the Regions also like to send this to everyone in ORCR (and if Charlotte agrees FFRRO) via email as well.
4. The letter outlines OSHA resources that we may be able to avail ourselves of. I don't think we would be their highest priorities but these resources may be helpful to OARM as they advise us when all remedial activities are



complete and employees can return to their home cubes. Can you please work with OARM to see if they would like to seek the help offered in the complaint letter?

5. In my discussions with OSHA they told me that they readily grant time extensions, which I told them we may need in order to provide a fully informed response.

Thanks,

**Barnes Johnson**

USEPA | Resource Conservation and Recovery | Tel 703-308-8895 |  
[johnson.barnes@epa.gov](mailto:johnson.barnes@epa.gov)

---

**From:** Hubbard, Carol - OSHA [<mailto:Hubbard.Carol@dol.gov>]

**Sent:** Thursday, July 31, 2014 3:36 PM

**To:** Johnson, Barnes

**Subject:** OSHA Complaint No. 900683



## Fielden, Daniel

---

**From:** Green, Bucky  
**Sent:** Friday, August 01, 2014 9:33 AM  
**To:** Rees, Regina;Watson, Cassie;Wilson, Howard;Fielden, Daniel  
**Cc:** Dady, John;Smith, HelenT  
**Subject:** FW: Doctor mentioned in yesterday's meeting -- Potomac Yard 5th Floor

Hey Regina –

We will be needing additional and more detailed information from you as this incident evolves.

- 1) Can you let me know **exactly where the charcoal filters were installed??** I am not that familiar with the building mechanical systems but believe the ventilation systems are floor by floor and that each floor has two zones. Can you confirm that?? i.e. N 5<sup>th</sup> Air Handling System, S 5<sup>th</sup> floor air handling system, and what location in those system/systems the filters were installed??
- 2) Can you tell me **what happened to the ceiling tiles** that were in the impacted office?? Please ensure that they are retained them in a safe manner for possible future inspection, or recovered if possible.
- 3) Again, I request that you inform EPA of any planned alterations of building operations prior to implementing them.

Thanks for your cooperation as we work through this matter.

Bucky Green

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

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---

**From:** Watson, Cassie  
**Sent:** Thursday, July 31, 2014 4:41 PM  
**To:** Green, Bucky; Dady, John; Rees, Regina  
**Cc:** Wilson, Howard; Carpenter, Wesley; Dady, John; Fielden, Daniel; Franklin, Tami  
**Subject:** FW: Doctor mentioned in yesterday's meeting

Bucky/Regina,

Please see Roy's question below reference the ceiling tiles that were removed and provide a response. Thanks.

R/Cassie

---

**From:** Prince, Roy  
**Sent:** Thursday, July 31, 2014 4:19 PM  
**To:** Watson, Cassie  
**Cc:** Huff, Mark J; Johnson, Barnes; Carpenter, Wesley; Wilson, Howard; Franklin, Tami  
**Subject:** RE: Doctor mentioned in yesterday's meeting

This is great Cassie – thanks very much. I've arranged a windowless room on the 6<sup>th</sup> floor for both days during those times, Room number N-6871. I'll get the word out and begin arranging appointments.

One additional question related to the mitigation. We'd like to know please what happened to the floor and ceiling tiles that were removed. Are they being removed from the area and replaced? Thanks.

Roy

---

**From:** Watson, Cassie  
**Sent:** Thursday, July 31, 2014 3:57 PM  
**To:** Prince, Roy  
**Cc:** Huff, Mark J; Johnson, Barnes; Carpenter, Wesley; Wilson, Howard; Franklin, Tami  
**Subject:** RE: Doctor mentioned in yesterday's meeting

Hello Roy,

We have confirmed with FOH that Dr. Holland will be at Potomac Yard North on Tuesday, August 5, and Wednesday, August 6. On each day he will have eight 30 minute long appointments starting at 7:30 a.m., with the last appointment at 11:00 a.m. We would appreciate it if you would facilitate these employee appointment slots and arrange for a private conference room (windowless is preferable) from 7:00 a.m. to 11:30 a.m. for both days.

Additionally, carbon filters were installed yesterday morning in the heating, ventilation, and air conditioning (HVAC) system that services the fifth floor. The addition of this type of filter to the building's HVAC system, in conjunction with the system's regular filtration and extended service hours, is expected to improve the effectiveness of building ventilation as it relates to the mitigation of this issue. Please communicate this to your employees.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

---

**From:** Prince, Roy  
**Sent:** Thursday, July 31, 2014 12:10 PM  
**To:** Watson, Cassie  
**Cc:** Huff, Mark J; Johnson, Barnes  
**Subject:** FW: Doctor mentioned in yesterday's meeting

Hello Cassie. Wanted to send this to you also. Perhaps you've received some information regarding the availability of the doctor mentioned by Howard in Tuesday morning's meeting? Thank you.

Roy

---

**From:** Prince, Roy  
**Sent:** Thursday, July 31, 2014 11:01 AM

**To:** Wilson, Howard

**Subject:** RE: Doctor mentioned in yesterday's meeting

Howard: sorry to bug you on this but anything on this yet? If the doctor will be coming tomorrow I wanted to get the word out. Thank you.

---

**From:** Wilson, Howard

**Sent:** Wednesday, July 30, 2014 5:07 PM

**To:** Prince, Roy

**Cc:** Huff, Mark J; Johnson, Barnes

**Subject:** RE: Doctor mentioned in yesterday's meeting

Roy: I am sorry it has taken me this long to get back with you; it appears that the first day the occupational physician could be available is Friday – I will confirm this tomorrow morning. I realize fewer employees are scheduled to be in the office on Fridays and Mondays so we are looking for an additional day next week. Cassie and I will work with you to accommodate all of the employees interested in talking with Dr. Christopher Holland.

---

**From:** Prince, Roy

**Sent:** Wednesday, July 30, 2014 8:18 AM

**To:** Wilson, Howard

**Cc:** Huff, Mark J; Johnson, Barnes

**Subject:** Doctor mentioned in yesterday's meeting

Good morning Howard. Again – thanks to all of you for coming over yesterday. Wanted to ask about the doctor you mentioned that would be made available to employees for reporting reactions, etc. Anything on that yet? We'd like to get that info out to our employees asap. Doctor's name, dates, hours, etc. Please let me know if you need help with finding a room, etc. Thank you.

Roy



## Fielden, Daniel

---

**From:** Green, Bucky  
**Sent:** Friday, August 01, 2014 9:40 AM  
**To:** Watson, Cassie; Carpenter, Wesley; Dady, John; Wilson, Howard  
**Subject:** RE: OSHA Complaint No. 900683 - Just trying to confirm what role FMDS usually takes on these issues....

Hey Casie - I just don't know what FMDS role's is traditionally in this type of issue – so just trying to confirm what FMDS should be doing/not be doing in regards to this matter. That was why I requested the touch base meeting – just to confirm expectations.

Bucky

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

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---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 9:27 AM  
**To:** Carpenter, Wesley; Green, Bucky; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Wilson, Howard  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Bucky, I'm currently working on a response with my staff. I'm available if you would like to meet.  
R/Cassie

---

**From:** Carpenter, Wesley  
**Sent:** 8/1/2014 9:13 AM  
**To:** Green, Bucky; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Bucky:

Per our discussion a few minutes ago, Howard will be in the office around 10 am. Cassie is also teleworking and can participate via phone. Please coordinate with them directly. Thanks.

Wes

---

**From:** Green, Bucky  
**Sent:** Friday, August 01, 2014 8:56 AM  
**To:** Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Carpenter, Wesley; Wilson, Howard; Watson, Cassie  
**Subject:** RE: OSHA Complaint No. 900683 - Copy of Letter?? Meet sometime this morning ??

Hey Wes, and Daniel Fielden get me a copy of the original letter to OSHA and can we 3 meet sometime this morning ??

Thanks

Bucky

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---

**From:** Dey-Foy, Stacey  
**Sent:** Friday, August 01, 2014 6:35 AM  
**To:** Franklin, Tami; Blankenship, Steven; Jackson, Yvette; Dady, John; Green, Bucky; Carpenter, Wesley; Wilson, Howard; Watson, Cassie  
**Subject:** Re: OSHA Complaint No. 900683

Good morning.

Hi Wes,

Yvette and I are on leave today, Bucky is acting. For next week, it appears that our teams need to coordinate on this OSHA response with ORCR.

Stacey

Stacey B. Dey-Foy  
Director (Acting), Facilities Management and Services Division

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202-697-2470 (blackberry)  
202-565-3082 (fax)  
[Dey-Foy.Stacey@epa.gov](mailto:Dey-Foy.Stacey@epa.gov)

---

**From:** Franklin, Tami  
**Sent:** Friday, August 1, 2014 6:20:59 AM  
**To:** Blankenship, Steven; Dey-Foy, Stacey; Jackson, Yvette; Dady, John; Green, Bucky  
**Subject:** FW: OSHA Complaint No. 900683

Fyi



**From:** Johnson, Barnes

**Sent:** Thursday, July 31, 2014 5:08 PM

**To:** Prince, Roy

**Cc:** ORCR IO; OSWER ORCR DDS; Noga, Vaughn; Franklin, Tami; Carpenter, Wesley; Wilson, Howard; Simon, Nigel; Bertrand, Charlotte; Breen, Barry

**Subject:** FW: OSHA Complaint No. 900683

Dear Roy,

Will you and your team please take responsibility for responding to this complaint and meeting the several obligations that we now have? In reviewing my obligations let me offer some addition instructions.

1. We will need substantial assistance from OARM; particularly the direction that states we "must" provide documentation of our response actions.
2. There is an obligation to send this complaint to our unions. Please advise me on precisely who I need to send this to. I would like to do this tomorrow if possible.
3. There is an obligation to make this letter readily accessible to all of my employees via posting in the affected area. Facilities and Health and Safety should advise us on the locations that they believe this should be posted (the initial smell permeated the entire building so should it be posted in the lobby, the garage, etc.?). I would also at the same time I send it to the Regions also like to send this to everyone in ORCR (and if Charlotte agrees FFRRO) via email as well.
4. The letter outlines OSHA resources that we may be able to avail ourselves of. I don't think we would be their highest priorities but these resources may be helpful to OARM as they advise us when all remedial activities are complete and employees can return to their home cubes. Can you please work with OARM to see if they would like to seek the help offered in the complaint letter?
5. In my discussions with OSHA they told me that they readily grant time extensions, which I told them we may need in order to provide a fully informed response.

Thanks,

**Barnes Johnson**

USEPA | Resource Conservation and Recovery | Tel 703-308-8895 |

[johnson.barnes@epa.gov](mailto:johnson.barnes@epa.gov)

---

**From:** Hubbard, Carol - OSHA [<mailto:Hubbard.Carol@dol.gov>]

**Sent:** Thursday, July 31, 2014 3:36 PM

**To:** Johnson, Barnes

**Subject:** OSHA Complaint No. 900683



## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 1:07 PM  
**To:** Green, Bucky; Watson, Cassie; Wilson, Howard  
**Cc:** Rees, Regina; Johnson, Barnes; Huff, Mark J  
**Subject:** RE: OSHA Response and Letter Posting>>

Understood. Sorry Regina. The notices have been posted – five are posted on the 5<sup>th</sup> floor at the end of the building where the event occurred. One is posted just inside the stairwell door on the 5<sup>th</sup> floor. Two are posted at the Loading Dock area.

Roy

---

**From:** Green, Bucky  
**Sent:** Friday, August 01, 2014 1:03 PM  
**To:** Prince, Roy; Watson, Cassie; Wilson, Howard  
**Cc:** Rees, Regina  
**Subject:** RE: OSHA Response and Letter Posting>>

Hey folks –

Please remember that this is **not a government owned building** and the landlord has an interest in the matters at hand (i.e. what and where the notice is posted) particularly if it relates to areas outside our leased premises.

I have talked with Regina about the possibility of the notices going on the 5<sup>th</sup> floor, possibly the stairwell, and the loading dock, subject to OSHA/SHEMD confirmation.

She has not seen what the posting looks like. Regina says the buildings other tenants are feds so they may better appreciate/ignore/not be unsettled by the requirements to post a notice.

I have asked Howard to find out if we can include a contact name and number on the notice.

Regina >> this is new to you >> it looks like, but I have not received a confirmation, that notices are planned to go in the stairwell and the loading dock area.

So please let's keep Regina in the loop when appropriate – particularly if we are doing something outside our leased premises.

Thanks,

Bucky

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA

(w) 202 564-6371

(c) 703 328-1986

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## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 1:16 PM  
**To:** Watson, Cassie  
**Cc:** Wilson, Howard; Johnson, Barnes; Huff, Mark J; Roth, Barbara; Green, Bucky; Rees, Regina  
**Subject:** RE: OSHA Response and Letter Posting  
**Attachments:** [Untitled].pdf

Cassie: as you advised, I've signed the Certificate of Posting and attached the signed copy. It's my understanding that you will forward on to OSHA from this point. The Letter has been posted in the areas you indicate in your email below. Thanks very much.

Roy

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 12:18 PM  
**To:** Watson, Cassie  
**Cc:** Wilson, Howard; Johnson, Barnes; Huff, Mark J; Roth, Barbara; Green, Bucky  
**Subject:** OSHA Response and Letter Posting

Cassie: just got your voice mail stating you'd had a conversation this morning with the OSHA Regional Director, and had received an extension for the reply until the 21<sup>st</sup> of August. You also stated that you will be preparing the reply and beyond putting the letter up as instructed, there was nothing more for us to do regarding the letter. However, there appears to be a form that must be signed and sent back regarding the posting of the letter? Should we sign and forward that to you? Or is sending that signed form back part of the August 21<sup>st</sup> extension?

You also stated that the Letter should be posted in the area(s) impacted on the 5<sup>th</sup> floor, the stairwells that were used to carry the plant down to the garage, and also at the loading dock where the plant was disposed of. We will be doing that today. Thank you.

Roy



Attachment A

**CERTIFICATE OF POSTING  
OSHA NOTIFICATION OF ALLEGED HAZARD(S)**

Employer Name: U.S. Environmental Protection Agency  
Complaint Number: 900683

Date of Posting:

8/1/14

Date Copy Given to an Employee Representative:

7/31/14

On behalf of the employer, I certify that a copy of the complaint letter received from the Occupational Safety and Health Administration (OSHA) was posted in a place where it is readily accessible for review by all employees, or near such location where the violation occurred, and such notice has been given to each authorized representative of affected employees, if any. This notice was or will be posted for a minimum of ten (10) days or until the hazardous conditions referenced in the letter are corrected.

Signature

Title

[Signature]  
Chief, Resources Management Staff





## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 1:03 PM  
**To:** Prince, Roy  
**Subject:** RE: Mitigation Efforts on 5th floor

You can sign and send as soon as possible.

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 1:02 PM  
**To:** Watson, Cassie  
**Subject:** RE: Mitigation Efforts on 5th floor

Cassie: couple of questions please. The Letter refers to a "Safety Committee" that we must also provide the letter to. Is there such a thing? Would that be essentially you and Howard who are already in possession of the Letter?

Also, must Barnes sign the Certificate of Posting? Or can I sign it and forward it to you? All the postings have now been completed.

Roy

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 10:21 AM  
**To:** Green, Bucky; Prince, Roy; Wilson, Howard  
**Subject:** FW: Mitigation Efforts on 5th floor

FYI and action. Please. To Roy about ceiling and floor tiles.

R/Cassie

---

**From:** Prince, Roy  
**Sent:** 8/1/2014 8:21 AM  
**To:** Watson, Cassie  
**Cc:** Huff, Mark J; Johnson, Barnes  
**Subject:** Mitigation Efforts on 5th floor

Good morning Cassie. I am preparing an email for all ORCR employees updating the mitigation efforts. I have the paragraph you see below that you sent me last night. But perhaps you have some more that I could add? For instance, I asked you about the floor and ceiling tiles that had been removed, asked if they would be replaced, and I think you told me there were plans to clean them and put them back in place? Is that correct? Any other mitigation efforts or information, future plans, etc. that I could add? Thank you.

The building owners install carbon filters on Wednesday morning in the heating, ventilation, and air conditioning (HVAC) system that services the fifth floor. The addition of this type of filter to the building's HVAC system, in conjunction with the system's regular filtration and extended service hours, is expected to improve the effectiveness of building ventilation as it relates to the mitigation of this issue.



## Fielden, Daniel

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**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 1:18 PM  
**To:** Watson, Cassie  
**Cc:** Johnson, Barnes; Huff, Mark J; Roth, Barbara  
**Subject:** RE: Mitigation Efforts on 5th floor

Got it Cassie – thanks.

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 1:13 PM  
**To:** Prince, Roy  
**Subject:** RE: Mitigation Efforts on 5th floor

I will also inform my Safety Committee. While the OSHA letter say Unions or Safety Committee we have satisfied that request, we want to remain transparent with our committee members. Thanks  
Cassie

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 1:02 PM  
**To:** Watson, Cassie  
**Subject:** RE: Mitigation Efforts on 5th floor

Cassie: couple of questions please. The Letter refers to a "Safety Committee" that we must also provide the letter to. Is there such a thing? Would that be essentially you and Howard who are already in possession of the Letter?

Also, must Barnes sign the Certificate of Posting? Or can I sign it and forward it to you? All the postings have now been completed.

Roy

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 10:21 AM  
**To:** Green, Bucky; Prince, Roy; Wilson, Howard  
**Subject:** FW: Mitigation Efforts on 5th floor

FYI and action. Please. To Roy about ceiling and floor tiles.

R/Cassie

---

**From:** Prince, Roy  
**Sent:** 8/1/2014 8:21 AM  
**To:** Watson, Cassie  
**Cc:** Huff, Mark J; Johnson, Barnes  
**Subject:** Mitigation Efforts on 5th floor

Good morning Cassie. I am preparing an email for all ORCR employees updating the mitigation efforts. I have the paragraph you see below that you sent me last night. But perhaps you have some more that I could add? For instance, I asked you about the floor and ceiling tiles that had been removed, asked if they would be replaced, and I think you told me there were plans to clean them and put them back in place? Is that correct? Any other mitigation efforts or information, future plans, etc. that I could add? Thank you.

**The building owners install carbon filters on Wednesday morning in the heating, ventilation, and air conditioning (HVAC) system that services the fifth floor. The addition of this type of filter to the building's HVAC system, in conjunction with the system's regular filtration and extended service hours, is expected to improve the effectiveness of building ventilation as it relates to the mitigation of this issue.**

## **Fielden, Daniel**

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**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 11:09 AM  
**To:** Wilson, Howard; Watson, Cassie; Green, Bucky  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** RE: OSHA Complaint No. 900683

Got it Howard and thanks. We look forward to your advice this afternoon after you contact OSHA. I just spoke to Bucky and he let me know he will be sending some further language regarding up to date mitigation efforts.

**From:** Wilson, Howard  
**Sent:** Friday, August 01, 2014 11:07 AM  
**To:** Prince, Roy; Watson, Cassie; Green, Bucky  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** RE: OSHA Complaint No. 900683

Roy: Cassie and I chatted this morning – our initial reaction is 5<sup>th</sup> floor; associated stairwells and garage area – Cassie is contacting OSHA to confirm their expectations. We will contact you later today with our recommendation on posting. All interactions with the unions should include the Labor and Employee Relations office (Ken White). They are aware of the complaint and will probably contact you regarding union and employee communications.

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 9:11 AM  
**To:** Watson, Cassie; Wilson, Howard; Rees, Regina  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** FW: OSHA Complaint No. 900683

Good morning all. Couple of questions related to the OSHA letter please. The letter contains this language:

**You are requested to post a copy of this letter where it will be readily accessible for review by all of your employees, and to return a copy of the signed Certificate of Posting (Attachment A) to this office. In addition, you are requested to provide a copy of this letter and your response to a representative of any recognized employee union or safety committee that exists at your facility.**

- 1) We need guidance please as to precisely where this letter needs to be posted? For instance - Pantries, Elevator lobbies, restrooms, the garage due to mention in the letter of employees smelling it there, the main lobby to the building???
- 2) We are also requested to provide a copy to the unions (accomplished in Barnes' email below) and also to a "safety committee." Is there a Safety Committee and who are the members?

Thanks very much.

Roy

**From:** Johnson, Barnes  
**Sent:** Friday, August 01, 2014 7:50 AM  
**To:** Pastorkovich, Anne-Marie; Lynne, Diane; Al-Mudallal, Amer; James, Nathaniel; Kovak, Brian; Carpenter, Wesley;

Wilson, Howard

**Cc:** [hubbard.carol@dol.gov](mailto:hubbard.carol@dol.gov); Coomber, Robert; Prince, Roy; Simon, Nigel; Huff, Mark J; Roth, Barbara; Culver, Lora; Johnson, Barnes

**Subject:** OSHA Complaint No. 900683

Dear EPA Headquarters Union and EPA Health and Safety Representatives,

Per the instructions in the attached complaint I am forwarding you a copy of the complaint letter that I received yesterday from the Occupational Safety and Health Administration. Please note that I am also required to send you a copy of our response to this complaint which I will do once it is complete. Please also note that we may seek an extension to the 5 working days that we have been allotted for a response.

If you have any questions regarding this matter please contact Roy Prince who is our lead for managing our response to this complaint.

Sincerely,

**Barnes Johnson**

USEPA | Resource Conservation and Recovery | Tel 703-308-8895 |

[johnson.barnes@epa.gov](mailto:johnson.barnes@epa.gov)

---

**From:** Hubbard, Carol - OSHA [<mailto:Hubbard.Carol@dol.gov>]

**Sent:** Thursday, July 31, 2014 3:36 PM

**To:** Johnson, Barnes

**Subject:** OSHA Complaint No. 900683

## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 12:10 PM  
**To:** Wilson, Howard; Watson, Cassie; Green, Bucky  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** RE: OSHA Complaint No. 900683

Howard: Robert Coomber was included on the email below that Barnes sent to the union people. Bob is in LER and was on the call the other day. We will also include Ken White from here out on anything sent to the unions.

**From:** Wilson, Howard  
**Sent:** Friday, August 01, 2014 11:07 AM  
**To:** Prince, Roy; Watson, Cassie; Green, Bucky  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** RE: OSHA Complaint No. 900683

Roy: Cassie and I chatted this morning – our initial reaction is 5<sup>th</sup> floor; associated stairwells and garage area – Cassie is contacting OSHA to confirm their expectations. We will contact you later today with our recommendation on posting. All interactions with the unions should include the Labor and Employee Relations office (Ken White). They are aware of the complaint and will probably contact you regarding union and employee communications.

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 9:11 AM  
**To:** Watson, Cassie; Wilson, Howard; Rees, Regina  
**Cc:** Roth, Barbara; Johnson, Barnes; Huff, Mark J  
**Subject:** FW: OSHA Complaint No. 900683

Good morning all. Couple of questions related to the OSHA letter please. The letter contains this language:

**You are requested to post a copy of this letter where it will be readily accessible for review by all of your employees, and to return a copy of the signed Certificate of Posting (Attachment A) to this office. In addition, you are requested to provide a copy of this letter and your response to a representative of any recognized employee union or safety committee that exists at your facility.**

- 1) We need guidance please as to precisely where this letter needs to be posted? For instance - Pantries, Elevator lobbies, restrooms, the garage due to mention in the letter of employees smelling it there, the main lobby to the building???
- 2) We are also requested to provide a copy to the unions (accomplished in Barnes' email below) and also to a "safety committee." Is there a Safety Committee and who are the members?

Thanks very much.

Roy

**From:** Johnson, Barnes  
**Sent:** Friday, August 01, 2014 7:50 AM  
**To:** Pastorkovich, Anne-Marie; Lynne, Diane; Al-Mudallal, Amer; James, Nathaniel; Kovak, Brian; Carpenter, Wesley;

Wilson, Howard

**Cc:** [hubbard.carol@dol.gov](mailto:hubbard.carol@dol.gov); Coomber, Robert; Prince, Roy; Simon, Nigel; Huff, Mark J; Roth, Barbara; Culver, Lora; Johnson, Barnes

**Subject:** OSHA Complaint No. 900683

Dear EPA Headquarters Union and EPA Health and Safety Representatives,

Per the instructions in the attached complaint I am forwarding you a copy of the complaint letter that I received yesterday from the Occupational Safety and Health Administration. Please note that I am also required to send you a copy of our response to this complaint which I will do once it is complete. Please also note that we may seek an extension to the 5 working days that we have been allotted for a response.

If you have any questions regarding this matter please contact Roy Prince who is our lead for managing our response to this complaint.

Sincerely,

**Barnes Johnson**

USEPA | Resource Conservation and Recovery | Tel 703-308-8895 |

[johnson.barnes@epa.gov](mailto:johnson.barnes@epa.gov)

---

**From:** Hubbard, Carol - OSHA [<mailto:Hubbard.Carol@dol.gov>]

**Sent:** Thursday, July 31, 2014 3:36 PM

**To:** Johnson, Barnes

**Subject:** OSHA Complaint No. 900683



## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 2:14 PM  
**To:** Wilson, Howard  
**Cc:** Johnson, Barnes; Huff, Mark J  
**Subject:** RE: Has there been any reach out to the Pesticides office on this? Thanks.

Thank you Howard.

---

**From:** Wilson, Howard  
**Sent:** Friday, August 01, 2014 2:13 PM  
**To:** Prince, Roy  
**Cc:** Watson, Cassie; Green, Bucky; Barbour-Swann, Shuan  
**Subject:** RE: Has there been any reach out to the Pesticides office on this? Thanks.

Not yet. It's on our list of actions. I will ask Charlotte who her contact was in OPP and I think the other woman who mentioned an OPP conversation was Karen Pollard – I will reach out to her as well.

---

**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 2:09 PM  
**To:** Watson, Cassie; Wilson, Howard  
**Cc:** Johnson, Barnes; Huff, Mark J  
**Subject:** Has there been any reach out to the Pesticides office on this? Thanks.



## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Monday, August 04, 2014 8:51 AM  
**To:** Green, Bucky  
**Subject:** RE: Mitigation Efforts on 5th floor. Phone number ???

2025641652

Sent from my Windows Phone

---

**From:** Green, Bucky  
**Sent:** 8/1/2014 10:34 AM  
**To:** Watson, Cassie  
**Subject:** RE: Mitigation Efforts on 5th floor. Phone number ???

Cassie – what is your phone number, the directory lists it as 1640.....??

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

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**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 10:21 AM  
**To:** Green, Bucky; Prince, Roy; Wilson, Howard  
**Subject:** FW: Mitigation Efforts on 5th floor

FYI and action. Please. To Roy about ceiling and floor tiles.

R/Cassie

---

**From:** Prince, Roy  
**Sent:** 8/1/2014 8:21 AM  
**To:** Watson, Cassie  
**Cc:** Huff, Mark J; Johnson, Barnes  
**Subject:** Mitigation Efforts on 5th floor

Good morning Cassie. I am preparing an email for all ORCR employees updating the mitigation efforts. I have the paragraph you see below that you sent me last night. But perhaps you have some more that I could add? For instance, I asked you about the floor and ceiling tiles that had been removed, asked if they would be replaced, and I think you told me there were plans to clean them and put them back in place? Is that correct? Any other mitigation efforts or information, future plans, etc. that I could add? Thank you.

The building owners install carbon filters on Wednesday morning in the heating, ventilation, and air conditioning (HVAC) system that services the fifth floor. The addition of this type of filter to the building's HVAC system, in conjunction with the system's regular filtration and extended service hours, is expected to improve the effectiveness of building ventilation as it relates to the mitigation of this issue.

**Fielden, Daniel**

---

**From:** Prince, Roy  
**Sent:** Tuesday, August 05, 2014 9:36 AM  
**To:** Wilson, Howard  
**Cc:** Watson, Cassie  
**Subject:** Re: Brief Summary of Actions Taken to Date/Confirmation of OSHA Response Extension -August 21, 2014

Thank you!

Sent from my iPhone

On Aug 5, 2014, at 9:31 AM, "Wilson, Howard" <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

Roy: The response is public information; please share all or part of the faxed information with employees and keep LER informed.

Howard

---

**From:** Wilson, Howard  
**Sent:** Monday, August 04, 2014 10:37 AM  
**To:** Watson, Cassie  
**Subject:** Fw: Brief Summary of Actions Taken to Date/Confirmation of OSHA Response Extension -August 21, 2014

Cassie: I'm ok with it -- maybe we should extract from the letter to OSHA -- we should probably check with LER or Roy should check with LER as they prepare a distribution to their employees.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy <[Prince.Roy@epa.gov](mailto:Prince.Roy@epa.gov)>  
**Sent:** Monday, August 4, 2014 9:24 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Subject:** FW: Brief Summary of Actions Taken to Date/Confirmation of OSHA Response Extension -August 21, 2014

Good morning Howard and Cassie. Is this something I can share with all of our employees? Thanks.

Roy

---

**From:** Watson, Cassie  
**Sent:** Friday, August 01, 2014 3:58 PM  
**To:** Johnson, Barnes; Prince, Roy  
**Cc:** Huff, Mark J; Green, Bucky; Rees, Regina; Wilson, Howard; Carpenter, Wesley  
**Subject:** Brief Summary of Actions Taken to Date/Confirmation of OSHA Response Extension -August 21, 2014

Roy,

Please find attached a PDF of the fax confirmation page and the summary of items/actions we've completed to date per OSHA Field Office.

Please let me know if you have any questions.

Thanks.  
R/Cassie

<201408011423.pdf>

## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Tuesday, August 05, 2014 7:11 PM  
**To:** Wilson, Howard  
**Cc:** Dady, John; Watson, Cassie; Johnson, Barnes; Huff, Mark J  
**Subject:** Re: Extended HVAC - 5th Floor (2733 Crystal Drive)

Got it Howard - thanks for the headship.

Sent from my iPhone

On Aug 5, 2014, at 6:12 PM, "Wilson, Howard" <[Wilson.Howard@epa.gov](mailto:Wilson.Howard@epa.gov)> wrote:

Roy: Beginning Tues. of last week, HVAC for the fifth was being operated 24/7 with increased amounts of outside air. I wanted to let you know that we have asked the building owner to return to their normal operation of the HVAC system effective immediately. Additionally, I discussed today with FMSD asking Cassidy/Turley to replace the ceiling tiles and floor tiles that were removed in the office where the plant resided – let us know if you have any questions on this action. I presume the work would be done in the evening or on the weekend but it's not a requirement from my perspective.

---

**From:** Dady, John  
**Sent:** Tuesday, August 05, 2014 5:36 PM  
**To:** Rees, Regina  
**Cc:** [cynthia.tracey@gsa.gov](mailto:cynthia.tracey@gsa.gov); Wilson, Howard; Watson, Cassie; Jackson, Yvette; Smith, Helen T  
**Subject:** RE: Extended HVAC - 5th Floor (2733 Crystal Drive)

Regina,

Please discontinue overtime HVAC on the 5<sup>th</sup> floor effective immediately.

Thank you, John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
[dady.john@epa.gov](mailto:dady.john@epa.gov)

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyrturley.com>]  
**Sent:** Tuesday, August 05, 2014 5:19 PM  
**To:** Dady, John  
**Cc:** [cynthia.tracey@gsa.gov](mailto:cynthia.tracey@gsa.gov)  
**Subject:** Extended HVAC - 5th Floor (2733 Crystal Drive)

John,

Please let me know how much longer EPA would like us to run overtime HVAC on the 5<sup>th</sup> floor in response to the pesticide incident on July 3, 2014.

Thank you.

**Regina Rees**

Vice President

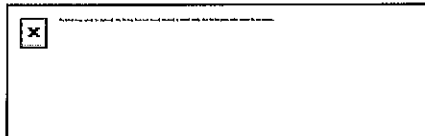
Cassidy Turley

2733 South Crystal Drive, Suite 100

Arlington, VA 22202

**T 703-414-0911 C 703-930-8395 F 703-413-8058**

**Regina.Rees@cassidytrley.com www.cassidytrley.com**



If you need to send me a file larger than 5MB [please use this link](#)

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**Fielden, Daniel**

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**From:** Wilson, Howard  
**Sent:** Wednesday, August 06, 2014 8:23 AM  
**To:** Prince, Roy; Watson, Cassie  
**Cc:** Johnson, Barnes; Huff, Mark J; Dady, John; Jackson, Yvette; Carpenter, Wesley  
**Subject:** Re: More doctor interviews next Tuesday?

I don't think it will be a problem but let me check with Cassie and one of us will get back with you.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Prince, Roy  
**Sent:** Wednesday, August 6, 2014 7:45 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Johnson, Barnes; Huff, Mark J  
**Subject:** More doctor interviews next Tuesday?

Howard/Cassie: Good morning. The doctor has arrived and started the interviewing process for today. He interviewed 8 people yesterday and has another 8 lined up for this morning. However, I've now received 4 more requests for interviews (including Helen Smith) beyond those already scheduled. I just spoke to the doctor about the situation and he told me he's available next Tuesday morning. Is that doable on your end? Thank you.

Roy



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Monday, August 04, 2014 10:33 AM  
**To:** Green, Bucky; Dady, John  
**Cc:** Carpenter, Wesley; Noga, Vaughn; Watson, Cassie  
**Subject:** Re: 1st Draft -- IAQ Matter at Potomac Yard North

Ok. Will do

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Green, Bucky  
**Sent:** Monday, August 4, 2014 9:29 AM  
**To:** Wilson, Howard; Dady, John  
**Cc:** Carpenter, Wesley; Noga, Vaughn; Watson, Cassie  
**Subject:** RE: 1st Draft -- IAQ Matter at Potomac Yard North

Hey Wes, Howard, and Cassie – Thanks for your fast and professional response last week.

John Dady is back now and should be copied on all PY related issues, I no longer need to be cc:d

Thanks,

Bucky

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

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**From:** Wilson, Howard  
**Sent:** Friday, August 01, 2014 5:08 PM  
**To:** Hull, George  
**Cc:** Carpenter, Wesley; Gelb, Nanci; Franklin, Tami; Noga, Vaughn; Watson, Cassie; Dey-Foy, Stacey; Green, Bucky  
**Subject:** RE: 1st Draft -- IAQ Matter at Potomac Yard North

George:

I've provided a few adjustments to your edits. Generally looks good. As I mentioned last night – OSHA sent a letter to Barnes Johnson notifying the agency of a reported hazard and asking that EPA investigate the hazard and provide OSHA with information on the hazard or lack of hazard and any actions taken to abate the hazard. We are also required to post, in the workplace, the OSHA letter acknowledging a reported hazard and the request for an agency response. We have faxed a response to OSHA confirming that the letter was posted and providing them with information on

completed and planned actions by the agency. I have included a copy of the fax to OSHA. We requested and have been granted an extension to August 21 to respond to the OSHA notification of hazard.

George: I will be sending the desk statement to Barnes and Roy Prince in ORCR and our management in OARM for comment.

Thank you for your help.

Howard

---

**From:** Hull, George  
**Sent:** Friday, August 01, 2014 11:35 AM  
**To:** Wilson, Howard  
**Cc:** Carpenter, Wesley  
**Subject:** FW: 1st Draft -- IAQ Matter at Potomac Yard North

Howard,

Sorry, I neglected to attach the document. Here it is. Thanks, George

---

**From:** Hull, George  
**Sent:** Thursday, July 31, 2014 4:07 PM  
**To:** Wilson, Howard  
**Cc:** Carpenter, Wesley  
**Subject:** RE: 1st Draft -- IAQ Matter at Potomac Yard North

Howard,

I've made some changes to the statement you drafted regarding the insecticide incident in Potomac Yard. I was trying to edit with the thought that a reporter might not even have the basic facts. Could you review and make sure that I am accurate. I based my changes on my understanding of the events as described to me by you and Wes. Also, I had heard from a colleague in OSWER that some carpeting was removed. Is that accurate and is that something we might want to include? Thanks,

George Hull  
Office of Media Relations  
U.S. EPA  
Tel. 202-564-0790

---

**From:** Wilson, Howard  
**Sent:** Wednesday, July 30, 2014 6:37 PM  
**To:** Hull, George  
**Subject:** Re: 1st Draft -- IAQ Matter at Potomac Yard North

Thanks George

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Hull, George  
**Sent:** Wednesday, July 30, 2014 5:52 PM  
**To:** Wilson, Howard  
**Cc:** Carpenter, Wesley; Watson, Cassie  
**Subject:** RE: 1st Draft -- IAQ Matter at Potomac Yard North

Thanks, Howard. I have to leave, now, but will review and respond in the morning.

George Hull, Director  
Office of Media Relations  
U.S. EPA  
Tel. 202-564-0790

---

**From:** Wilson, Howard  
**Sent:** Wednesday, July 30, 2014 4:51 PM  
**To:** Hull, George  
**Cc:** Carpenter, Wesley; Watson, Cassie  
**Subject:** 1st Draft -- IAQ Matter at Potomac Yard North

George: creating a short narrative on the incident and the current status of employee work conditions took longer than I thought. I would appreciate your reaction before I forward the statement to my management and on to Nanci Gelb for approval.

Howard O. Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
Office of Administration, OARM  
202-564-1646  
<http://intranet.epa.gov/oaintran/shemd/national/>



**Fielden, Daniel**

---

**From:** Kovak, Brian  
**Sent:** Thursday, August 07, 2014 2:12 PM  
**To:** Prince, Roy  
**Cc:** Johnson, Barnes; Wilson, Howard  
**Subject:** RE: On-site Federal Occupational Health Doctor related to Insecticide Spray Incident on July 3rd

Roy,  
I hope the interviews with Dr. Holland are going well this week. I have been working with SHEMD and consulting with NIOSH on the steps we will need to take to properly address the indoor air issue in your office space. Last week, I talked with Howard Wilson and yesterday with Cassie Watson, Dave Gibson and their IH. I will be meeting with them to discuss the incident and details on the background, steps which have already been taken, those which are in progress and we will develop a strategy on what else needs to be done to resolve the issue and insure the health and wellness of your staff. Cassie informed me that they did get an extension from OSHA for responding to them and SHEMD is staying in touch with them as we work through the process of investigating the incident and determining if any any remedial steps may need to be implemented. Please keep me informed of any updates with your staff's health conditions, any changes to the indoor environment or results of any other meetings, surveys or communication with the parties involved. I will be on vacation the later part of next week and the following week, from 8/13-25, but I will be available by cell phone for consultation if needed. I appreciate you including me in discussions on this incident and I will let you know of any updates or recommendations that I may have.

Thanks,  
*Brian*

Brian Kovak  
Safety, Health and Environmental Management Official  
US EPA, Office of Solid Waste and Emergency Response  
Environmental Response Team  
Edison, NJ  
732-321-6609 - phone  
908-202-9848 - cell

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**From:** Prince, Roy  
**Sent:** Friday, August 01, 2014 2:01 PM  
**To:** Kovak, Brian  
**Cc:** Johnson, Barnes  
**Subject:** FW: On-site Federal Occupational Health Doctor related to Insecticide Spray Incident on July 3rd

One more here Brian. Health and Safety made arrangements for a doctor from FOH to be available for interviews next Tuesday and Wednesday.

---

**From:** Prince, Roy  
**Sent:** Thursday, July 31, 2014 5:10 PM  
**To:** OSWER ORCR EVERYONE  
**Cc:** Watson, Cassie; Wilson, Howard  
**Subject:** On-site Federal Occupational Health Doctor related to Insecticide Spray Incident on July 3rd

Hello everyone. The Agency's Safety, Health and Environmental Management Division has made arrangements for a Federal Occupational Health doctor to be on-site next week for the purpose of interviewing any employee wishing to explain health complications or reactions they experienced resulting from the insecticide spray incident on July 3<sup>rd</sup>.

Eight 30 minute appointments are available on Tuesday, August 5<sup>th</sup> and Wednesday, August 6<sup>th</sup>, beginning each day at 7:30 a.m. with the last appointment at 11 a.m.. The appointments will be held on the 6<sup>th</sup> floor in Room N-6871.

If you'd like to speak to the doctor, please get back to me asap by phone or email with the day and 30 minute time slot you would like to be interviewed. Thank you.

Roy  
703-308-0012



**Fielden, Daniel**

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**From:** Prince, Roy  
**Sent:** Friday, August 08, 2014 7:56 AM  
**To:** Kovak, Brian  
**Cc:** Johnson, Barnes; Huff, Mark J; Watson, Cassie; Wilson, Howard  
**Subject:** Re: On-site Federal Occupational Health Doctor related to Insecticide Spray Incident on July 3rd

Absolutely Brian - thank you.

Roy

Sent from my iPhone

> On Aug 8, 2014, at 7:25 AM, "Kovak, Brian" <Kovak.Brian@epa.gov> wrote:

>

> Roy,

> Thanks for sharing all of the updates and background information with me. I am out today but have another call with NIOSH this afternoon and a call with SHEMD and their IH consultant on Monday.

>

> Brian

>

>> On Aug 7, 2014, at 7:10 PM, "Prince, Roy" <Prince.Roy@epa.gov> wrote:

>>

>> Thank you Brian. I'm going to forward you several "latest update" emails we've sent out to everyone in our office.

>>

>> Sent from my iPhone

>>

>>> On Aug 7, 2014, at 2:11 PM, "Kovak, Brian" <Kovak.Brian@epa.gov> wrote:

>>>

>>> to be implemented. Please keep me informed of any updates with your staff's health conditions, any changes to the indoor



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Tuesday, August 12, 2014 10:37 AM  
**To:** Kovak, Brian; Watson, Cassie  
**Cc:** Carpenter, Wesley; Prince, Roy; Johnson, Barnes  
**Subject:** RE: Next Steps of Indoor Environment Investigation of ORCR

Brian:

thanks Brian; Cassie is working to setup meetings with the building mgr and her staff – set for Wed or Thurs to be confirmed. Cassie has contacted Doctor Holland but has not heard back from him – hopefully we will hear from him today. I will reach out to Thuy Nguyen today. We will keep you informed on dates and times – know you start vacation on Wed. but we will set up a conf. call line just in case you would like to participate (vacation is much more important) – we will brief you on everything upon your return.

I think our decision yesterday was to brief NIOSH near the completion of our investigation to offer a case summary for their information and reaction.

Howard

---

**From:** Kovak, Brian  
**Sent:** Tuesday, August 12, 2014 10:24 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Carpenter, Wesley; Prince, Roy; Johnson, Barnes  
**Subject:** Next Steps of Indoor Environment Investigation of ORCR

Howard,

Thanks for including me in your call yesterday with your consultant, Dr. Hugh Granger of HP Environmental. It was a good opportunity to go over some of the details of the incident, which I had not heard before and to discuss the path forward and outline the next steps being planned for the investigation of the office space. I was glad to hear that we are in agreement on many of the steps we need to take to come to resolution of this incident. I was also pleased that Hugh agreed with my idea of engaging NIOSH for their consultation with us on the investigation at some point. As you know, I reached out to them last week to solicit their help since this type of investigation is what their Health Hazard Evaluation (HHE) Team does as a large part of their mission, and at no cost to us. While your office has the lead on this investigation and Dr. Granger will be the primary investigator, I would like to let NIOSH know that we will most likely be contacting them to consult with us on our data and findings at some point. I am not looking to bring them in to do an on-site visit or investigation, as they clearly pointed out they would not be interested in doing. However, I do feel that they are an excellent resource for us that we should take advantage of using since they offered their assistance for review and consultation.

At this time, we are 6 weeks from when the incident first occurred and the reports of health effects and irritation are still being made by our office employees, despite what has been done so far to address the problem. I am hopeful that the investigation by HP Environmental will uncover the source of the problem. However, I want to make sure we are doing all that we can to move forward as quickly and effectively as possible and that we are positioned properly to do so. Having NIOSH onboard with us is a large step in that direction and will only increase our ability to resolve this issue by adding their large pool of professional resources to assist as needed and as they have agreed to do. In order to secure their help down the road, I would like to submit an HHE request to them now to get us on their schedule for consultation before they get overbooked with other commitments. There is no specific start date we need to engage them for, but at least having a request approved and on their schedule this month will make them available to us for our future discussions when needed. I don't want us to miss this opportunity as this may turn out to be a challenging case

where additional technical assistance may be needed. We should be doing everything we can to resolve this quickly and show our employees that we are doing so by bringing in all of the necessary resources to do so.

Thanks,

*Brian*

Brian Kovak  
Safety, Health and Environmental Management Official  
US EPA, Office of Solid Waste and Emergency Response  
Environmental Response Team  
Edison, NJ  
732-321-6609 - phone  
908-202-9848 - cell

**Fielden, Daniel**

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**From:** Wilson, Howard  
**Sent:** Tuesday, August 12, 2014 6:08 PM  
**To:** Kovak, Brian  
**Cc:** Watson, Cassie; Prince, Roy; Johnson, Barnes; Carpenter, Wesley  
**Subject:** RE: Next Steps of Indoor Environment Investigation of ORCR

Brian:

I am going to send you Doctor Holland's high level summary of his interviews with employees including some recurring questions. Doctor Holland and Dr. Granger are scheduled to talk tomorrow at 4 pm. We hope to have confirmation with the building manager and her mechanical engineer for a meeting tomorrow or Thursday morning. I will try to confirm a meeting with Thuy Nguyen for tomorrow afternoon or Thursday afternoon.

We have committed highly qualified resources to the investigation of the incident and I don't believe that additional resources are prudent or necessary, especially given the limited evidence available and the pesticide concentration in the product. I do believe there is a benefit to having professionals share information on their cases/investigations and exchanging related thoughts, ideas and experiences. I am suggesting that you or I reach out to NIOSH and schedule a conference call to this end. I am hoping we can arrange the call within a week – possibly when you return from vacation. I am planning to talk with ORCR management and LER to get their recommendations on communicating the results of the investigation to employees when it is completed.

Let me know if you would like me to reach out to NIOSH to schedule the call.

Howard

---

**From:** Kovak, Brian  
**Sent:** Tuesday, August 12, 2014 10:24 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Carpenter, Wesley; Prince, Roy; Johnson, Barnes  
**Subject:** Next Steps of Indoor Environment Investigation of ORCR

Howard,

Thanks for including me in your call yesterday with your consultant, Dr. Hugh Granger of HP Environmental. It was a good opportunity to go over some of the details of the incident, which I had not heard before and to discuss the path forward and outline the next steps being planned for the investigation of the office space. I was glad to hear that we are in agreement on many of the steps we need to take to come to resolution of this incident. I was also pleased that Hugh agreed with my idea of engaging NIOSH for their consultation with us on the investigation at some point. As you know, I reached out to them last week to solicit their help since this type of investigation is what their Health Hazard Evaluation (HHE) Team does as a large part of their mission, and at no cost to us. While your office has the lead on this investigation and Dr. Granger will be the primary investigator, I would like to let NIOSH know that we will most likely be contacting them to consult with us on our data and findings at some point. I am not looking to bring them in to do an on-site visit or investigation, as they clearly pointed out they would not be interested in doing. However, I do feel that they are an excellent resource for us that we should take advantage of using since they offered their assistance for review and consultation.

At this time, we are 6 weeks from when the incident first occurred and the reports of health effects and irritation are still being made by our office employees, despite what has been done so far to address the problem. I am hopeful that the investigation by HP Environmental will uncover the source of the problem. However, I want to make sure we are

doing all that we can to move forward as quickly and effectively as possible and that we are positioned properly to do so. Having NIOSH onboard with us is a large step in that direction and will only increase our ability to resolve this issue by adding their large pool of professional resources to assist as needed and as they have agreed to do. In order to secure their help down the road, I would like to submit an HHE request to them now to get us on their schedule for consultation before they get overbooked with other commitments. There is no specific start date we need to engage them for, but at least having a request approved and on their schedule this month will make them available to us for our future discussions when needed. I don't want us to miss this opportunity as this may turn out to be a challenging case where additional technical assistance may be needed. We should be doing everything we can to resolve this quickly and show our employees that we are doing so by bringing in all of the necessary resources to do so.

Thanks,

*Brian*

Brian Kovak  
Safety, Health and Environmental Management Official  
US EPA, Office of Solid Waste and Emergency Response  
Environmental Response Team  
Edison, NJ  
732-321-6609 - phone  
908-202-9848 - cell

## Fielden, Daniel

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**From:** Prince, Roy  
**Sent:** Thursday, September 04, 2014 9:34 AM  
**To:** Wilson, Howard  
**Subject:** RE: Question regarding OSHA response

Thanks. So it's yes to both?

---

**From:** Wilson, Howard  
**Sent:** Thursday, September 04, 2014 9:33 AM  
**To:** Prince, Roy  
**Subject:** RE: Question regarding OSHA response

Yes -- good reminder.

---

**From:** Prince, Roy  
**Sent:** Wednesday, September 03, 2014 4:05 PM  
**To:** Wilson, Howard  
**Cc:** Huff, Mark J; Roth, Barbara; Johnson, Barnes; Kelley, Rosemarie  
**Subject:** Question regarding OSHA response

Howard: when you send forward the Agency's response to OSHA, will the unions and LER be cced? Also, although we'll obviously be sharing that response with all of our employees, is there a requirement that it be posted here as well? Thank you.

Roy





**Fielden, Daniel**

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**From:** Johnson, Barnes  
**Sent:** Thursday, September 18, 2014 8:28 AM  
**To:** Carpenter, Wesley  
**Cc:** Brent, Sharon  
**Subject:** RE: Insecticide Follow-up

Hello Wes, I tried to ring you but your phone has been ringing busy for me over the last hour.

I am about to go into a day of back to back meetings. I could try and do 2:45 if that would work. Sharon can schedule this for us if you agree.

**Barnes Johnson**

USEPA | Resource Conservation and Recovery | Tel 703-308-8895 |  
johnson.barnes@epa.gov

---

**From:** Johnson, Barnes  
**Sent:** Thursday, September 18, 2014 7:32 AM  
**To:** Carpenter, Wesley  
**Subject:** Re: Insecticide Follow-up

Would 7:45 work for you? 703-308-8635

Sent from my iPhone

On Sep 18, 2014, at 6:38 AM, "Carpenter, Wesley" <[Carpenter.Wesley@epa.gov](mailto:Carpenter.Wesley@epa.gov)> wrote:

Barnes:

I would appreciate an opportunity to talk to you today on the subject matter. I only need 10-15 minutes. Please let me know if you are available and a phone number to call you. Thanks.

Wes

Sent from my Windows Phone



## **Fielden, Daniel**

---

**From:** Wilson, Howard  
**Sent:** Friday, April 10, 2015 4:10 PM  
**To:** Johnson, Barnes  
**Cc:** Prince, Roy  
**Subject:** FW: Draft email for all of ORCR

fyi

---

**From:** Wilson, Howard  
**Sent:** Friday, April 10, 2015 4:08 PM  
**To:** Noga, Vaughn; Petrole, Maryann  
**Cc:** Blankenship, Steven; Carpenter, Wesley  
**Subject:** RE: Draft email for all of ORCR

Vaughn:

I talked with Barnes this afternoon. The memo from Roy was distributed earlier today. He understood your concern regarding the sentence: All the findings pertain to record-keeping discrepancies and training deficiencies on the part of the Agency's Safety, Health, and Environmental Management Division (SHEMD). He agreed that ORCR supervisors and employees also have responsibilities for safety in the workplace and supports a joint memo expressing a collaborative effort as we roll out training for supervisors and employees. I'll send a meeting invite for Monday to discuss the matter.

Howard

---

**From:** Wilson, Howard  
**Sent:** 4/10/2015 12:05 PM  
**To:** Noga, Vaughn; Petrole, Maryann  
**Cc:** Blankenship, Steven; Carpenter, Wesley  
**Subject:** FW: Draft email for all of ORCR

Vaughn/Maryann: fyi; I told Roy I was fine with his proposed notice to ORCR employees. In accordance with OSHA's report, we have posted the Notices in the pantries of the 5<sup>th</sup> and 6<sup>th</sup> floors of PY North. We are working on a training action plan as we await a date and time for an informal conf. with OSHA.

---

**From:** Prince, Roy  
**Sent:** Friday, April 10, 2015 11:17 AM  
**To:** Wilson, Howard  
**Subject:** Draft email for all of ORCR

Howard: I'd like to send out this afternoon to all of ORCR. Look OK to you? I'm not trying to throw you guys under the bus – but I want to be clear to our employees that the findings were not related to anything ORCR-related.

Hello everyone. In late October the Department of Labor's Occupational Safety and Health Administration (OSHA) conducted an inspection of our space related to last July's 5<sup>th</sup> floor pesticide incident. Attached above are two documents:

- Final inspection findings which you'll also see posted on the bulletin boards in our 5<sup>th</sup> and 6<sup>th</sup> floor pantries. All the findings pertain to record-keeping discrepancies and training deficiencies on the part of the Agency's Safety, Health, and Environmental Management Division (SHEMD).
- A letter sent just yesterday from SHEMD to OSHA, stating that the record-keeping discrepancies are rectified; and requesting an April 28<sup>th</sup> date for submitting an action plan to mitigate training deficiencies and an informal conference between SHEMD and OSHA to discuss all the findings.

Please let me know if you have any questions.

Roy

**Fielden, Daniel**

---

**From:** Wilson, Howard  
**Sent:** Friday, April 17, 2015 3:26 PM  
**To:** Johnson, Barnes  
**Cc:** Prince, Roy;Kovak, Brian;Carpenter, Wesley;Patel, Aster  
**Subject:** Supervisor Safety Training  
**Attachments:** Supervisory Safety Training Generic final 2015.pptx

Barnes: Wes and I had an informal meeting with the OSHA Compliance Officer and we agreed to a May 8 date for having training completed for ORCR supervisors and employees. I have attached a PowerPoint presentation for supervisors (20 minute length, maybe); I am asking you to confirm that your managers have completed the training by May 4 which will give us a few days to address any supervisors who might be delayed in completing the training. We are working to get the training uploaded to Skillport but it will not be available to enable it for OCRC managers. Please call Wes or me if you have any questions. I have also attached the relevant OSHA Notice below.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

**Inspection Number:** 1004462  
**Inspection Date(s):** 10/22/2014 -  
02/04/2015  
**Issuance Date:** 03/17/2015



**Notice of Unsafe and Unhealthful Working Conditions**

**Company Name:** U.S. Environmental Protection Agency  
**Inspection Site:** 2733 Crystal Drive, Fifth floor, Arlington, VA 22202

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**Notice 1 Item 4**      Type of Violation: **Other-than-Serious**

29 CFR 1960.55(a): 29 CFR 1960.55(a): The Agency did not provide safety and health training / supervisory employees:

(a) 5th Floor EPA Potomac Yard Workspace - On or about October 21, 2014, the agency had not provided occupational safety and health training to a senior management official who, having the responsibility for providing and maintaining safe and healthful working conditions for employees sprayed a pesticide (Garden Safe Houseplant & Garden Insect Killer) in the workspace, causing the generation of an odor that appears to have resulted in health reactions in some of the employees.

Abatement certification required within 10 days after abatement date. The certification shall include statement that abatement is complete, date and method of abatement, and states employees and their representatives were informed of this abatement.

Date by which Violation must be Abated: 04/19/2015

the training of ORCR employees  
Howard O. Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
Office of Administration, OARM  
202-564-1646  
<http://intranet.epa.gov/oaintran/shemd/national/>





**Fielden, Daniel**

---

**From:** Wilson, Howard  
**Sent:** Friday, April 24, 2015 2:52 PM  
**To:** Prince, Roy  
**Cc:** Johnson, Barnes; Barbour-Swann, Shuan; Fielden, Daniel; Carpenter, Wesley  
**Subject:** RE: EPA Letter to OSHA - Certification of 2 Notices and Abatement Plan

Thanks Roy

Howard O. Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
Office of Administration, OARM  
202-564-1646  
<http://intranet.epa.gov/oaintran/shemd/national/>

---

**From:** Prince, Roy  
**Sent:** Friday, April 24, 2015 2:39 PM  
**To:** Wilson, Howard  
**Cc:** Johnson, Barnes  
**Subject:** FW: EPA Letter to OSHA - Certification of 2 Notices and Abatement Plan

Howard: these are up in the pantries as we discussed earlier. Thanks.

Roy

---

**From:** Canales, Benjamin  
**Sent:** Friday, April 24, 2015 2:12 PM  
**To:** Carpenter, Wesley; Barbour-Swann, Shuan; Prince, Roy; Al-Mudallal, Amer; James, Nathaniel  
**Cc:** Wilson, Howard  
**Subject:** EPA Letter to OSHA - Certification of 2 Notices and Abatement Plan

April 24, 2015

A letter to Ms. Cheryl Kammerman of OSHA signed by Howard Wilson, was sent earlier today. You were identified as a carbon copy in the letter so I have attached the letter for you in this email.

**Benjamin Canales**  
Contractor to the Safety, Health and Environmental Management Division  
Tel: 202.564.7836  
Fax: 202.564.0215  
E-mail: [canales.benjamin@epa.gov](mailto:canales.benjamin@epa.gov)



## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Thursday, May 07, 2015 11:54 AM  
**To:** Prince, Roy  
**Cc:** Johnson, Barnes; Salyer, Kathleen; Huff, Mark J  
**Subject:** RE: ORCR 5th Floor Safety Training Compliance

Thanks Roy – I appreciate ORCR's cooperation in meeting the training deadline we committed to OSHA.

Howard O. Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
Office of Administration, OARM  
202-564-1646  
<http://intranet.epa.gov/oaintran/shemd/national/>

---

**From:** Prince, Roy  
**Sent:** Thursday, May 07, 2015 11:47 AM  
**To:** Wilson, Howard  
**Cc:** Johnson, Barnes; Salyer, Kathleen; Huff, Mark J  
**Subject:** ORCR 5th Floor Safety Training Compliance

Hello Howard. As just requested and discussed on the phone – All ORCR managers and staff residing on the 5<sup>th</sup> floor of the Potomac Yard North Building have completed the Safety training related to the OSHA notice with the exception of 4 who have been out of the office since the original notice to complete the training was sent out. We commit to ensuring those 4 employees complete the training immediately upon their return to the office.

Roy



## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Thursday, October 02, 2014 10:11 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Subject:** FW: Response to your Questions on the Pesticide Incident and All-Hands Meeting

Howard: I think you'd finalized your answers?

---

**From:** (b) (6)  
**Sent:** Thursday, October 02, 2014 10:07 AM  
**To:** Prince, Roy  
**Subject:** FW: Response to your Questions on the Pesticide Incident and All-Hands Meeting

Hi Roy,

I still have not gotten a response back. Do you know if they still plan on sending me one this week?

Thanks,

[REDACTED]

---

**From:** Wilson, Howard  
**Sent:** Friday, September 26, 2014 6:00 PM  
**To:** (b) (6)  
**Cc:** Prince, Roy; Watson, Cassie  
**Subject:** Response to your Questions on the Pesticide Incident and All-Hands Meeting

[REDACTED]

I apologize that it has taken longer than I expected to get you a response to your email with questions from the recent all-hands meeting and the reports by Dr. Granger and Dr. Holland. Three of our staff including me and Cassie Watson have been on leave during the last ten days. I completed a review of the response to your letter today and expect that we will be sending our response to you on Monday or Tuesday. Again, I am sorry for the delay.

Howard

Howard O. Wilson, Deputy Director  
Safety, Health and Environmental Management Division  
Office of Administration, OARM  
202-564-1646  
<http://intranet.epa.gov/oaintran/shemd/national/>



**Fielden, Daniel**

---

**From:** Prince, Roy  
**Sent:** Wednesday, September 10, 2014 9:04 PM  
**To:** [REDACTED] Wilson, Howard; Watson, Cassie  
**Subject:** Re: OSHA Complaint No. 900683, U.S. EPA

Howard/Cassie: is it still possible for [REDACTED] to talk to Dr Holland? Thanks.

Sent from my iPhone

On Sep 10, 2014, at 2:30 PM, "(b) (6)" [REDACTED] wrote:

Hi Roy,

Thank you for the information. However, I still have not received a call from the doctor.

[REDACTED]

---

**From:** Prince, Roy  
**Sent:** Friday, September 05, 2014 6:34 PM  
**To:** OSWER ORCR EVERYONE  
**Subject:** Fwd: OSHA Complaint No. 900683, U.S. EPA

Hello everyone. Forwarding the response to the OSHA complaint that was signed and sent by the Director of SHEMD earlier today.

Roy

Sent from my iPhone

Begin forwarded message:

**From:** "Director of SHEMD" <Director\_of\_SHEMD@epa.gov>  
**To:** "milam.anthony@dol.gov" <milam.anthony@dol.gov>  
**Cc:** "dewease.dan@dol.gov" <dewease.dan@dol.gov>, "Johnson, Barnes" <Johnson.Barnes@epa.gov>, "Kelley, Rosemarie" <Kelley.Rosemarie@epa.gov>, "Noga, Vaughn" <Noga.Vaughn@EPA.GOV>, "Petrole, MaryAnn" <Petrole.MaryAnn@epa.gov>, "Dey-Foy, Stacey" <Dey-Foy.Stacey@epa.gov>, "Wilson, Howard" <Wilson.Howard@epa.gov>, "Jackson, Yvette" <Jackson.Yvette@epa.gov>, "Prince, Roy" <Prince.Roy@epa.gov>, "Watson, Cassie" <Watson.Cassie@epa.gov>, "Huff, Mark J" <huff.markj@epa.gov>, "Kovak, Brian" <Kovak.Brian@epa.gov>  
**Subject:** OSHA Complaint No. 900683, U.S. EPA

September 5, 2014

Attached is a letter to Mr. Dan E. DeWease regarding OSHA Complaint No. 900683, U.S. EPA, signed by Wesley Carpenter.



## Fielden, Daniel

---

**From:** Dady, John  
**Sent:** Monday, August 04, 2014 3:11 PM  
**To:** Jackson, Yvette;Dey-Foy, Stacey;Watson, Cassie  
**Cc:** Smith, HelenT  
**Subject:** FW: 5th Floor Odor/Spay Incident  
**Attachments:** 5th Floor - Northwest Corner - Plants.pdf

Yvette/Cassie,

Please see Regina's note below. What do you think of her recommendation for a "no personal plants allowed" policy throughout the building? Also, I am reaching out to the folks on the 5<sup>th</sup> floor to remove the remainder of those plants.

Thank you, John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
dady.john@epa.gov

---

**From:** Rees, Regina [mailto:Regina.Rees@cassidyurley.com]  
**Sent:** Monday, August 04, 2014 2:02 PM  
**To:** Dady, John  
**Cc:** Green, Bucky; Smith, HelenT; Reddoor, Marlene; Prince, Roy  
**Subject:** RE: 5th Floor Odor/Spay Incident

The plants have been removed and are currently stored in the loading dock area. I didn't put them in the storage room because they will die from no sunlight but I think they're already at the end of their life. Marlene – please let me know if you plan to take these plants home or if you want us to throw them away?

John - I really think we need to have everyone remove their plants from the northwest side of the 5<sup>th</sup> floor so that we can continue to access and correctly address the current situation. Most of the plants on that side of the floor look to be in very bad shape and are in containers with dirty water, caked soil and seem to have no regular cleaning/maintenance/monitoring, etc. – see attached photos. Some of the plants are in cubes where no one offices. Indoor house plants can be a breeding ground for insects, mold, unwanted smells, etc. If you would prefer, the Landlord will implement a "no personal plants allowed" building wide rule. Since removing the ferns, I think the space smells better.

Also, one of the employees on the fifth floor said she would like to see all of the plants removed because they've had insects or produced smells in the past. And, the area of the floor where we are currently receiving most of the complaints is the area with the highest number of personal plants.

Please let me know when you can implement the above action or if you need our assistance in removing the plants.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058  
Regina.Rees@cassidyturley.com www.cassidyturley.com



If you need to send me a file larger than 5MB [please use this link](#)

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---

**From:** Dady, John [<mailto:Dady.John@epa.gov>]  
**Sent:** Monday, August 04, 2014 11:40 AM  
**To:** Rees, Regina  
**Cc:** Green, Bucky; Smith, HelenT; Reddoor, Marlene; Prince, Roy  
**Subject:** RE: 5th Floor Odor/Spay Incident

Regina,

If you haven't already, please remove the plants that have been identified to have an odor. Let us know where the plants are being stored.

Thank you, John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
[dady.john@epa.gov](mailto:dady.john@epa.gov)

---

**From:** Prince, Roy  
**Sent:** Monday, August 04, 2014 9:07 AM  
**To:** Dady, John  
**Cc:** Rees, Regina; Green, Bucky; Smith, HelenT; Reddoor, Marlene  
**Subject:** RE: 5th Floor Odor/Spay Incident

That's fine John. Thank you.

Roy

---

**From:** Dady, John  
**Sent:** Monday, August 04, 2014 8:57 AM

**To:** Prince, Roy  
**Cc:** Rees, Regina; Green, Bucky; Smith, HelenT; Reddoor, Marlene  
**Subject:** RE: 5th Floor Odor/Spay Incident

Thanks Roy. With your permission, I'd like to have Regina remove those plants ASAP. The plants will be stored in a Facilities storage room for Marlene to pick-up and remove from the building. If she prefers not to keep the plants, we will have them thrown away.

John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
[dady.john@epa.gov](mailto:dady.john@epa.gov)

---

**From:** Prince, Roy  
**Sent:** Monday, August 04, 2014 8:06 AM  
**To:** Dady, John  
**Cc:** Rees, Regina; Green, Bucky; Smith, HelenT  
**Subject:** RE: 5th Floor Odor/Spay Incident

Hey John. Welcome back..... Those plants belong to Marlene Reddoor. In fact, I just saw Regina on the 5<sup>th</sup> floor and she explained they'll be taking those plants down to the loading dock area. I'll let Marlene know when she arrives this morning, or her husband if she is not in today. He works for us up here on the 6<sup>th</sup> floor. Thanks.

Roy

---

**From:** Dady, John  
**Sent:** Monday, August 04, 2014 7:40 AM  
**To:** Prince, Roy  
**Cc:** Rees, Regina; Green, Bucky; Smith, HelenT  
**Subject:** FW: 5th Floor Odor/Spay Incident

Hi Roy,

Please see the attached message from the PY Property Manager. Do these plants belong to any of your staff? If not, can you provide me with a contact?

Thanks, John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870

[dady.john@epa.gov](mailto:dady.john@epa.gov)

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidythurley.com>]

**Sent:** Sunday, August 03, 2014 3:54 PM

**To:** Dady, John; Green, Bucky

**Cc:** Smith, HelenT

**Subject:** 5th Floor Odor/Spay Incident

Hello John,

I've been on vacation for the last few days and wanted to inspect the space today. While inspecting the space, I detected an odor but it seemed a little different from the spray incident. Therefore, I went to each plant and found two large ferns on the north east side of the floor near cubes N-5925 & N-5926 which had a strong unpleasant odor – see attached photo. There appears to be old water/soil in the bottom of the pan. With your permission, I would like to take these plants out of the space and down to EPA's storage room on the loading dock so you can evaluate the smell at some point in time. Also, there are a few empty pots in a storage room on the north east side of the floor which I would also like to remove.

Please let me know if the above is ok and I'll have these items removed early tomorrow morning.

Thank you.

**Regina Rees**

Vice President

Cassidy Turley

2733 South Crystal Drive, Suite 100

Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058

[Regina.Rees@cassidythurley.com](mailto:Regina.Rees@cassidythurley.com) [www.cassidythurley.com](http://www.cassidythurley.com)

**Cassidy  
Turley** / Commercial  
Real Estate Services

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## Fielden, Daniel

---

**From:** Jackson, Yvette  
**Sent:** Monday, July 28, 2014 12:47 PM  
**To:** Watson, Cassie; Rees, Regina; Dady, John  
**Cc:** Dey-Foy, Stacey; Green, Bucky  
**Subject:** RE: Odor on 5th Floor - PY 2

Thanks Cassie.

---

**From:** Watson, Cassie  
**Sent:** Monday, July 28, 2014 11:00 AM  
**To:** Rees, Regina; Dady, John  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette  
**Subject:** RE: Odor on 5th Floor - PY 2

Attached is the Safety Data Sheet.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Monday, July 28, 2014 10:32 AM  
**To:** Dady, John  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette; Watson, Cassie  
**Subject:** RE: Odor on 5th Floor - PY 2

Can someone please send me the cut sheet/name of the product that was sprayed on the 5<sup>th</sup> floor?

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058  
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---

**From:** Dady, John [<mailto:Dady.John@epa.gov>]  
**Sent:** Sunday, July 27, 2014 8:11 AM  
**To:** Rees, Regina  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette; Watson, Cassie  
**Subject:** Re: Odor on 5th Floor - PY 2

Thanks Regina. Anything you may be able to do is appreciated. Both Helen and I are out of the office this week. Please keep Stacey, Yvette, and Cassie informed of any new developments. John

---

**From:** Rees, Regina <[Regina.Rees@cassidyurley.com](mailto:Regina.Rees@cassidyurley.com)>  
**Sent:** Sunday, July 27, 2014 4:27:00 AM  
**To:** Dady, John  
**Subject:** Odor on 5th Floor - PY 2

Good morning John,

Sorry for the early email, but after our call on Friday I've been thinking about some additional ways we can alleviate the problem. I've asked Cassidy Turley's Director of Engineering to get involved in helping us find these ways and working through them. We may be in the (5<sup>th</sup> floor) space today trying another "flush out" and if not today, early tomorrow morning. I'll keep you updated on our progress but hopefully with the additional help we'll be able to find a solution soon which will prevent us from having to move people off of the floor.

Please feel free to contact me if you have any questions, comments or concerns.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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**Fielden, Daniel**

---

**From:** Green, Bucky  
**Sent:** Monday, July 28, 2014 2:00 PM  
**To:** Jackson, Yvette; Dey-Foy, Stacey  
**Cc:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: Odor on 5th Floor >> Yvette, I have talked with the property manager at PY.....and

Regina Rees, the PY property manager at PY, is preparing a list/timeline of actions they have taken since July 3, 2014, so that we will have an accurate and single history of our response.

Thanks,

Bucky

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

---

**From:** Jackson, Yvette  
**Sent:** Monday, July 28, 2014 12:47 PM  
**To:** Watson, Cassie; Rees, Regina; Dady, John  
**Cc:** Dey-Foy, Stacey; Green, Bucky  
**Subject:** RE: Odor on 5th Floor - PY 2

Thanks Cassie.

---

**From:** Watson, Cassie  
**Sent:** Monday, July 28, 2014 11:00 AM  
**To:** Rees, Regina; Dady, John  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette  
**Subject:** RE: Odor on 5th Floor - PY 2

Attached is the Safety Data Sheet.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

**From:** Rees, Regina [mailto:Regina.Rees@cassidythurley.com]  
**Sent:** Monday, July 28, 2014 10:32 AM  
**To:** Dady, John  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette; Watson, Cassie  
**Subject:** RE: Odor on 5th Floor - PY 2

Can someone please send me the cut sheet/name of the product that was sprayed on the 5<sup>th</sup> floor?

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
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---

**From:** Dady, John [mailto:Dady.John@epa.gov]  
**Sent:** Sunday, July 27, 2014 8:11 AM  
**To:** Rees, Regina  
**Cc:** Dey-Foy, Stacey; Jackson, Yvette; Watson, Cassie  
**Subject:** Re: Odor on 5th Floor - PY 2

Thanks Regina. Anything you may be able to do is appreciated. Both Helen and I are out of the office this week. Please keep Stacey, Yvette, and Cassie informed of any new developments. John

---

**From:** Rees, Regina <Regina.Rees@cassidythurley.com>  
**Sent:** Sunday, July 27, 2014 4:27:00 AM  
**To:** Dady, John  
**Subject:** Odor on 5th Floor - PY 2

Good morning John,

Sorry for the early email, but after our call on Friday I've been thinking about some additional ways we can alleviate the problem. I've asked Cassidy Turley's Director of Engineering to get involved in helping us find these ways and working through them. We may be in the (5<sup>th</sup> floor) space today trying another "flush out" and if not today, early tomorrow morning. I'll keep you updated on our progress but hopefully with the additional help we'll be able to find a solution soon which will prevent us from having to move people off of the floor.

Please feel free to contact me if you have any questions, comments or concerns.

Thank you.  
**Regina Rees**  
Vice President



Cassidy Turley  
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## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Tuesday, July 29, 2014 7:38 AM  
**To:** Fielden, Daniel  
**Subject:** FW: PY 5th Floor Odor Issue  
**Attachments:** image003.jpg; EPA - Summary of Smell Abatement.pdf

Sent from my Windows Phone

-----Original Message-----

From: "Green, Bucky" <Green.Bucky@epa.gov>  
Sent: 7/29/2014 6:06 AM  
To: "Wilson, Howard" <Wilson.Howard@epa.gov>; "Watson, Cassie" <Watson.Cassie@epa.gov>; "Barbour-Swann, Shuan" <Barbour-Swann.Shuan@epa.gov>; "Fielden, Daniel" <Fielden.Daniel@epa.gov>  
Subject: FW: PY 5th Floor Odor Issue

This is what came in at the end of the day yesterday. Thanks.

Bucky Green  
Chief, Sustainable Facilities Practices Branch U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

From: Rees, Regina [mailto:Regina.Rees@cassidyurley.com]  
Sent: Monday, July 28, 2014 5:36 PM  
To: Dady, John; Green, Bucky  
Cc: Dey-Foy, Stacey; Jackson, Yvette; Smith, HelenT  
Subject: RE: PY 5th Floor Odor Issue

John and Bucky,

Per your request, please find attached a breakdown of actions taken and associated costs related to the 5th Floor odor issue. As you will see, we have included a few additional actions for tonight (7/28) which include:

- Another heavy cleaning of windows, walls, furniture etc., in the office where the incident occurred
- Shampooing of the main hallway from the incident office to the elevators on the east side of the floor
- Removal of ceiling tiles in incident office
- HVAC flush out for another 72 hours
- Removal of ceiling tiles in incident office
- Installation of new ceiling tiles in incident office

Please let me know if you have any questions/comments.

Thank you.  
Regina Rees

Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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From: Dady, John [mailto:Dady.John@epa.gov]  
Sent: Friday, July 25, 2014 3:39 PM  
To: Rees, Regina  
Cc: Dey-Foy, Stacey; Jackson, Yvette; Smith, HelenT  
Subject: PY 5th Floor Odor Issue

Hi Regina,

As discussed, please provide a breakdown of all costs incurred as a result of the clean-up efforts from the plant spray smell on the 5th floor PY North. Please reply to all. Thank you, John

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
dady.john@epa.gov

# **EPA 5th Floor Expenses - Smell Abatement**

<b>Date</b>	<b>Description</b>	<b>Amount</b>	<b>Payment</b>	<b>Notes</b>
7/3-7/7	<b>Maximized Outside Air</b>	0.00		Full floor using regular run times; no OTHVAC.
7/11-7/14	<b>Ran VAV box for office 5782N</b>			
	6:00pm 7/11 - 8:00am 7/12	0.00		VAV only, no conditioning.
	4:00pm 7/12 - 7:00am 7/14	0.00		VAV only, no conditioning.
7/14-7/17	<b>OTHVAC</b>			
	6:00pm 7/14 - 7:00am 7/15 (13)	292.50	award letter	Half floor; north SCU.
	6:00pm 7/15 - 7:00am 7/16 (13)	292.50	award letter	Half floor; north SCU.
	6:00pm 7/16 - 7:00am 7/17 (13)	292.50	award letter	Half floor; north SCU.
7/15	<b>Filter Change</b>			
	12 - 20x25x4	530.40	award letter	North SCU.
	6 - 20x20x4	253.56	award letter	North SCU.
	12 - 20x25x2	49.80	award letter	North SCU.
	6 - 20x20x2	21.78	award letter	North SCU.
7/15	<b>Shampoo</b>	190.00	bank card	North SCU.
7/24, 7/26	<b>Shampoo/detail cleaning</b>	698.00	bank card	North SCU.
7/23-7/29	<b>OTHVAC</b>			
	6:00pm 7/23 - 7:00am 7/24 (13)	585.00	award letter	Full Floor.
	6:00pm 7/24 - 7:00am 7/25 (13)	585.00	award letter	Full floor.
	6:00pm 7/25 - 8:00am 7/26 (14)	630.00	award letter	Full floor.
	4:00pm 7/26 - 7:00am 7/28 (39)	1,755.00	award letter	Full Floor.
	6:00pm 7/28 - 7:00am 7/29 (13)	585.00	award letter	Full Floor.
	6:00pm 7/29 - 7:00am 7/30 (13)	585.00	award letter	Full Floor.
	6:00pm 7/30 - 7:00am 7/31 (13)	585.00	award letter	Full Floor.
	6:00pm 7/31 - 7:00am 8/1 (13)	585.00	award letter	Full Floor.
7/28/2014	<b>Ceiling Tile Removal</b>	TBD	award letter	Office where incident occurred
7/28/2014	<b>Shampoo/hallway to elevators (East)</b>	TBD	award letter	NE floor side
7/28/2014	<b>Heavy Cleaning - Incident office/walls</b>	TBD	award letter	Office where incident occurred
8/1/2014	<b>Ceiling Tile Replacement</b>	TBD	award letter	Office where incident occurred

Total via bank card	888.00
Total via award letter	7,628.04
Grand Total	8,516.04

Regular HVAC Hours \*Mon-Fri 7:00am - 6:00pm  
Sat 8:00am-4:00pm

\*Listed amounts are estimates and may change slightly at time of billing

## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Wednesday, July 30, 2014 10:41 AM  
**To:** Fielden, Daniel  
**Subject:** FW: One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

FYI

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 7/29/2014 1:13 PM  
**To:** Green, Bucky; Dady, John; Smith, Helen  
**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Also, please let me know if you would like to proceed with installing carbon filters in the HAVC units on the 5<sup>th</sup> floor. The estimated cost is \$1,800. We could have these shipped to the property as soon as tomorrow if I hear back from within an hour or two.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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---

**From:** Rees, Regina  
**Sent:** Tuesday, July 29, 2014 12:02 PM  
**To:** 'Green, Bucky'  
**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Can you please let me know if you will be completing meeting minutes from today's meeting and if so, please include me to your distribution list?

It was a pleasure meeting all of you today.

Thank you.

**Regina Rees**

Vice President

Cassidy Turley

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---

**From:** Green, Bucky [<mailto:Green.Bucky@epa.gov>]

**Sent:** Monday, July 28, 2014 4:05 PM

**To:** Rees, Regina

**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel

**Subject:** One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Bucky Green

Chief, Sustainable Facilities Practices Branch

U.S. EPA

(w) 202 564-6371

(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

---

**From:** Green, Bucky

**Sent:** Monday, July 28, 2014 1:37 PM

**To:** 'Regina.Rees@cassidyturley.com'

**Subject:** My address for 9 am meeting on 5th floor tomorrow.

Bucky Green

Chief, Sustainable Facilities Practices Branch

U.S. EPA

(w) 202 564-6371

(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)



**Fielden, Daniel**

---

**From:** Watson, Cassie  
**Sent:** Tuesday, August 12, 2014 2:46 PM  
**To:** Rees, Regina  
**Subject:** Visual Confirmation of Key Building Systems

Regina,

We would like to tentatively scheduled Jonathon Hall, MPH, MS, CIH (HP Environmental) to visit the One Potomac Yard building at 8 PM on Thursday August 14, 2014 (this week) if possible. He would conduct a visual confirmation of the operation and condition of key building systems that we will hopefully review with the Building Engineering Manager before Jonathon's visit. Jonathon will also conduct a few on-site water tests for oxidizing agents, some of which are commonly found in drinking water at low concentrations. Some testing will need to be conducted off site because field tests are not available and I would like to have a confirmatory analysis for our field tests as well.

I suspect Jonathon's visit will take 2-3 hours but it could be shorter depending on accessibility.

Please let me know if this timing works for you/and the Building Management. Please rest assured that we are very cognizant of the importance Building Management places on qualifying outside personnel to conduct any studies in their building. I hope that if we can have HP speak with you the Building Management in advance we can assuage any concerns they may have given the short time frame we need to work in. We are still awaiting your confirmation. Thank you.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division



**Fielden, Daniel**

---

**From:** Watson, Cassie  
**Sent:** Wednesday, August 13, 2014 4:25 PM  
**To:** Rees, Regina  
**Subject:** RE: Conference Call - Thursday (8/14)

Thank you. Talk with you tomorrow at noon.

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 8/13/2014 8:34 AM  
**To:** Watson, Cassie  
**Subject:** Conference Call - Thursday (8/14)

Good morning Cassie,

We will be available to speak with Dr. Granger and EPA at either noon or 1PM EST on Thursday, August 14<sup>th</sup>. Please let me know what time works best for you and please provide a call in number/invite.

Thank you.

**Regina Rees**

Vice President

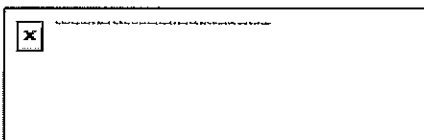
Cassidy Turley

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## Fielden, Daniel

---

**From:** Wilson, Howard  
**Sent:** Tuesday, August 19, 2014 1:05 PM  
**To:** Prince, Roy  
**Cc:** Dady, John; Smith, HelenT; Watson, Cassie; fyip@cdc.gov  
**Subject:** FW: Reaction in 5th floor Conference Room last Friday, August 15th

fyi

---

**From:** Smith, HelenT  
**Sent:** Tuesday, August 19, 2014 11:08 AM  
**To:** Rees, Regina  
**Cc:** Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: Reaction in 5th floor Conference Room last Friday, August 15th

Oh great thank you....

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Tuesday, August 19, 2014 10:40 AM  
**To:** Smith, HelenT  
**Cc:** Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: Reaction in 5th floor Conference Room last Friday, August 15th

No cost. Red Coats performed these services as part of our nightly cleaning contract.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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---

**From:** Smith, HelenT [<mailto:Smith.HelenT@epa.gov>]  
**Sent:** Tuesday, August 19, 2014 10:08 AM  
**To:** Rees, Regina  
**Cc:** Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: Reaction in 5th floor Conference Room last Friday, August 15th

What is the cost social ate with the cleaning of these spaces?

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Tuesday, August 19, 2014 9:54 AM  
**To:** Smith, HelenT  
**Cc:** Dady, John; Wilson, Howard; Watson, Cassie  
**Subject:** RE: Reaction in 5th floor Conference Room last Friday, August 15th

Hi Helen,

The carpet in both conference rooms was shampooed last night and the desk/table surfaces were cleaned thoroughly. Please let me know if you have any other requests.

Also, please note there are several plants in one of the two conference rooms (N5781) which may or may not be a contributing factor – see attached photos.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058  
[Regina.Rees@cassidyurley.com](mailto:Regina.Rees@cassidyurley.com) [www.cassidyurley.com](http://www.cassidyurley.com)

**Cassidy  
Turley** Commercial  
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---

**From:** Smith, HelenT [<mailto:Smith.HelenT@epa.gov>]  
**Sent:** Monday, August 18, 2014 1:16 PM  
**To:** Rees, Regina  
**Cc:** Dady, John; Wilson, Howard; Watson, Cassie; Smith, HelenT  
**Subject:** FW: Reaction in 5th floor Conference Room last Friday, August 15th

Hi Regina, it's have been brought to my attention that two conference rooms N5771 and N5781 did not get cleaned or had the carpet shampoo like the rest of the space. Please provide estimate to have these spaces cleaned. Thank you so much.

---

**From:** Prince, Roy  
**Sent:** Monday, August 18, 2014 11:37 AM  
**To:** Smith, HelenT; Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Reaction in 5th floor Conference Room last Friday, August 15th

I've been informed that a few of our employees went into the large Conference Room in the impacted quadrant on the 5<sup>th</sup> floor (N-5771) last Friday, and within 30 minutes a couple of them experienced reactions. Specifically, scratchy/burning eyes that stopped soon after leaving the area. I wanted to ask if that conference room received the same cleaning efforts that were made in the employee seating area? Was it shampooed and surface cleaned? Thanks very much.

Roy





## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 9:48 AM  
**To:** Rees, Regina  
**Subject:** FW: All Hands Meeting on Thursday Morning

FYI.  
Sent from my Windows Phone

---

**From:** Prince, Roy  
**Sent:** 8/25/2014 9:15 AM  
**To:** Watson, Cassie; Wilson, Howard; Carpenter, Wesley  
**Subject:** RE: All Hands Meeting on Thursday Morning

Great Cassie. Thank you. I'll get the invite out to all.

Roy

---

**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 9:14 AM  
**To:** Prince, Roy; Wilson, Howard; Carpenter, Wesley  
**Subject:** RE: All Hands Meeting on Thursday Morning

Good morning Roy  
Yes, you are correct. Dr. Granger, Wes and I will be there Thursday, August 28 for the All-Hands from 9:00-10:30. I will let Dr. Granger know the time.

Thanks.  
Cassie  
Sent from my Windows Phone

---

**From:** Prince, Roy  
**Sent:** 8/25/2014 8:00 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Subject:** All Hands Meeting on Thursday Morning

Good morning Howard and Cassie. I'm planning to send out an invite this morning for an ORCR All-hands this Thursday morning, August 28<sup>th</sup>, from 9 to 10:30 am, for Dr. Granger and all to discuss findings and conclusions to date. Just want to confirm that all of you are on board for that still? The meeting will be held in our Large Conference Room on the first floor of the Potomac Yard South Building. Please let me know asap so I can get the invite out. Thank you.

Roy



**Fielden, Daniel**

---

**From:** Watson, Cassie  
**Sent:** Thursday, August 28, 2014 11:58 PM  
**To:** Prince, Roy  
**Cc:** Rees, Regina; Smith, HelenT; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: Employee Report - All Hands On Meeting

Thanks, Roy.

R/Cassie

---

**From:** Prince, Roy  
**Sent:** 8/28/2014 7:01 PM  
**To:** Watson, Cassie  
**Cc:** Rees, Regina; Smith, HelenT; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** Re: Employee Report - All Hands On Meeting

We did not record the meeting.

Sent from my iPhone

On Aug 28, 2014, at 4:27 PM, "Watson, Cassie" <[Watson.Cassie@epa.gov](mailto:Watson.Cassie@epa.gov)> wrote:

Regina,

I forwarded you a copy of the reports. I know we didn't record anything. However, maybe Helen or Roy had the meeting recorded.

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Thursday, August 28, 2014 1:02 PM  
**To:** Watson, Cassie  
**Subject:** Employee Report - All Hands On Meeting

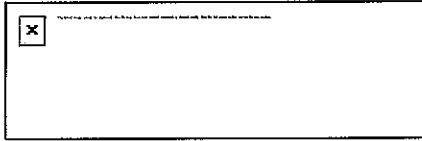
Cassie,

Can you please send me a copy of the report that was sent out to employees yesterday afternoon in response to the 5<sup>th</sup> floor incident? Also, do you have a recording of today's meeting?

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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## Fielden, Daniel

---

**From:** Watson, Cassie  
**Sent:** Friday, September 26, 2014 11:07 AM  
**To:** Rees, Regina  
**Subject:** RE: Environmental. Testing

Will do.  
Thanks.

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 9/26/2014 8:17 AM  
**To:** Watson, Cassie  
**Subject:** RE: Environmental. Testing

Thanks Cassie – please let me know the date/time of the next "All Hands On" meeting? Per the OSHA response, I see the next meeting is scheduled for early October.

**Regina Rees**

Vice President  
Cassidy Turley  
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Arlington, VA 22202

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---

**From:** Watson, Cassie [mailto:Watson.Cassie@epa.gov]  
**Sent:** Wednesday, September 24, 2014 12:27 AM  
**To:** Rees, Regina  
**Cc:** Wilson, Howard; Fielden, Daniel; Barbour-Swann, Shuan  
**Subject:** RE: Environmental. Testing

Hi Regina,

Federal Occupational Health sent us the laboratory's results and all air and surface wipe samples for both pyrethrum and piperonyl butoxide were below the detection limits. As such, there is no evidence of residual contamination by these materials.

We are expecting the formal report from FOH, which will include the standard IAQ measurements taken, later this week and will provide a copy to you once we have reviewed it.

Respectfully,

Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 9/22/2014 10:59 AM  
**To:** Fielden, Daniel; Watson, Cassie  
**Subject:** FW: Environmental. Testing

Good morning Cassie and Daniel,

Have you received any updates or results from the testing or Dr. Granger in regards to the 5<sup>th</sup> floor?

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
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---

**From:** Rees, Regina  
**Sent:** Wednesday, August 27, 2014 12:57 PM  
**To:** 'Watson, Cassie'; Fielden, Daniel; [Daniel.fielden@erg.com](mailto:Daniel.fielden@erg.com);  
**Subject:** RE: Environmental. Testing

Thanks – we will need to wait for HBI as well. They should be here by 1:30.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]

**Sent:** Wednesday, August 27, 2014 12:55 PM

**To:** Rees, Regina; Fielden, Daniel; [Daniel.fielden@erg.com](mailto:Daniel.fielden@erg.com); Smith, HelenT

**Subject:** RE: Environmental. Testing

Regina.

We will. Dan us there ir will be shortly.

Cassie

Sent from my Windows Phone

---

**From:** Rees, Regina

**Sent:** 8/27/2014 12:36 PM

**To:** Watson, Cassie; Fielden, Daniel

**Subject:** RE: Environmental. Testing

Cassie/Dan – can you please make sure you contact me when you arrive today? Per Owner's direction, I need to be with you when you complete this testing.

Thank you.

**Regina Rees**

Vice President

Cassidy Turley

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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]

**Sent:** Wednesday, August 27, 2014 12:26 PM

**To:** Rees, Regina

**Subject:** RE: Environmental. Testing

Dan  
Is on his way there now to meet them.

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 8/27/2014 11:56 AM  
**To:** Watson, Cassie  
**Subject:** RE: Environmental. Testing

Hello Cassie,

Can you please let me know if/when the air and wipe samples will take place?

Thank you.  
**Regina Rees**  
Vice President  
Cassidy Turley  
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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]  
**Sent:** Monday, August 25, 2014 4:28 PM  
**To:** Rees, Regina  
**Cc:** Carpenter, Wesley; Wilson, Howard; Fielden, Daniel; Barbour-Swann, Shuan; Hugh At HPE; Allamano, Jonell  
**Subject:** Environmental. Testing  
**Importance:** High

Hello Regina,

To address your request regarding tomorrow, Dr. Granger is available any time after 10:30 a.m. and he would like to view all mechanical systems that could have been involved in and/or had an impact on the incident on the fifth floor of Potomac Yard North. This includes local HVAC (e.g., VAVs, returns), building HVAC (e.g., intakes, AHUs, filtration systems), building water systems, etc. Depending on what the team sees they may want to look at additional spaces they feel are necessary (e.g., the loading dock area where the plant was moved to). These spaces will be those discussed during the conference call with you (Cassidy Turley), USAA, USAA's industrial hygiene firm (Gobbell Hays Partners), EPA, and Dr. Granger on August 14.

Second, we have followed up with Federal Occupational Health about sampling and have decided on the following sampling plan. We are looking to perform the sampling this Wednesday, August 27, but will inform you of the finalized date and time as it is available. The reason that this timeframe isn't confirmed is that the environmental firm has to order and receive the sampling media from the laboratory.



Please use the attached map as a reference when interpreting the plan information.

### **Sampling Plan**

Air and wipe samples for pyrethrins and piperonyl butoxide will be collected in 10 locations.

#### **# of Samples – Map Color - Location**

- 1 – Orange – Incident office
- 2 – Yellow – Open space suites directly outside impacted offices
- 1 – Green – Office of impacted individual (one of two potential areas)
- 2 – Purple – Office and conference room with impacted individual
- 1 – Blue – Unimpacted HVAC zone on same floor
- 1 – Not on the map – Same HVAC zone as incident office, but unimpacted area
- 1 – Not on the map – Different/Unimpacted floor
- 1 – Not on the map – Control/Field blank

We plan to have our contracted industrial hygienist, Daniel Fielden, accompany the FOH environmental team when they are on-site.

Thank you again for all of your help and please let me know if you have any questions or concerns.

Respectfully,  
Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division

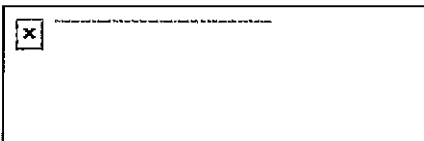
---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Monday, August 25, 2014 10:24 AM  
**To:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Thanks – I will also need a summary of what Dr. Granger will be looking at/sampling prior to his visit tomorrow.

**Regina Rees**  
Vice President  
Cassidy Turley  
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Arlington, VA 22202

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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]  
**Sent:** Monday, August 25, 2014 9:47 AM  
**To:** Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Regina,  
Dr. Granger will arrive tonight. Tomorrow would. Be great I need to confirm the time and get back to you.  
Cassie

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 8/25/2014 9:35 AM  
**To:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Also, please let me know the exact day/time Dr. Granger would like to discuss the HVAC system and perform his inspections so that we can have our environmental consultant on site during these times and so that Wayne and I will know when we need to be available.

Thank you.

**Regina Rees**  
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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]  
**Sent:** Monday, August 25, 2014 9:32 AM  
**To:** Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Will do, Regina. Thanks.  
Cassie

Sent from my Windows Phone

---

**From:** Rees, Regina  
**Sent:** 8/25/2014 9:14 AM  
**To:** Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard  
**Subject:** RE: Environmental. Testing

Cassie,

Thank you for the below update. Can you please let me know what day/time you plan to perform the sampling and can you send me a summary of where and how you are planning on sampling?

**Regina Rees**  
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Cassidy Turley  
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---

**From:** Watson, Cassie [<mailto:Watson.Cassie@epa.gov>]

**Sent:** Friday, August 22, 2014 4:08 PM

**To:** Rees, Regina; Rees, Regina; Barbour-Swann, Shuan; Fielden, Daniel; Wilson, Howard

**Subject:** Environmental. Testing

Regina,

We are currently evaluating options for air and wipe sampling on the fifth floor of Potomac Yard North for the active ingredients involved the pesticide incident. We are working with Federal Occupational Health, who is/will be providing the industrial hygiene team for this project, but we wanted to let you know that we are looking at performing this sampling.

We would ideally like to sample before the next all hands staff meeting that is scheduled for next Thursday, August 28, 2014.

Please let me know if you foresee any issues in the performance of this sampling or if you have any questions or concerns.

Respectfully,

Cassie Watson  
Chief, Operations Branch  
Safety, Health & Environmental Mgmt. Division



**Fielden, Daniel**

---

**From:** Dady, John  
**Sent:** Monday, November 03, 2014 4:01 PM  
**To:** Rees, Regina  
**Cc:** Barbour-Swann, Shuan;Fielden, Daniel  
**Subject:** RE: Two Potomac Yard - 5th Floor

Thank you Regina!

John H. Dady, Chief  
Facilities Operations Branch  
OARM/OA/FMSD  
USEPA  
1200 Pennsylvania Avenue, NW (3204R)  
Washington, DC 20460  
office (202) 564-3572  
cell (202) 438-8870  
dady.john@epa.gov

---

**From:** Rees, Regina [mailto:Regina.Rees@cassidyurley.com]  
**Sent:** Monday, November 03, 2014 3:59 PM  
**To:** Dady, John  
**Subject:** Two Potomac Yard - 5th Floor

John,

At the request of EPA, we returned all systems on the 5<sup>th</sup> floor to normal operations effective August 9, 2014. Other than normal day to day maintenance activities (i.e. hot/cold calls) and standard daily/nightly cleaning operations no special services were provided to the 5<sup>th</sup> floor since this date. I know Helen (EPA) was discussing the possibility of having the cubes cleaned but Cassidy Turley was not involved with this service.

Please let me know if you have further questions.

Thank you.

**Regina Rees**  
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**Fielden, Daniel**

---

**From:** Rees, Regina <Regina.Rees@cassidyurley.com>  
**Sent:** Tuesday, November 04, 2014 4:37 PM  
**To:** Prince, Roy; Wilson, Howard  
**Subject:** Individual Plants  
**Attachments:** removed.txt

Hi Roy and Howard,

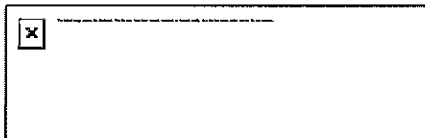
Thank you for inviting me to the "All Hands on Meeting" today, I want to let you know we will continue to assist EPA anyway we can with regards to the 5<sup>th</sup> floor incident and with any newly developed policies (if any) regarding individual plants. The decision to allow or not allow plants in the space is ultimately up to EPA and we (the Building Owner) will agree with whatever decision EPA makes. We realize the plant issue is a delicate topic with employees.

Please let me know if there is anything we can do to assist.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
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**Fielden, Daniel**

---

**From:** Green, Bucky  
**Sent:** Wednesday, July 30, 2014 3:09 PM  
**To:** Rees, Regina  
**Cc:** Watson, Cassie; Wilson, Howard; Barbour-Swann, Shuan; Fielden, Daniel; Dady, John; Smith, HelenT  
**Subject:** RE: Potomac Yard Follow Up. Carbon Filters,

Thanks Regina

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

---

**From:** Rees, Regina [mailto:Regina.Rees@cassidyurley.com]  
**Sent:** Wednesday, July 30, 2014 1:44 PM  
**To:** Green, Bucky  
**Cc:** Watson, Cassie; Wilson, Howard; Barbour-Swann, Shuan; Fielden, Daniel; Dady, John; Smith, HelenT  
**Subject:** Re: Potomac Yard Follow Up. Carbon Filters,

I'll handle the billing of the filters with Helen/John when they return from vacation. We were proactive with the filters and order them yesterday. The filters were installed this morning so they are already in both units on the 5th floor.

At this point we are planning to run 24/7 HVAC/outside (full bldg) through Thursday and we would like for EPA to evaluate the space on Friday and let us know if you want to continue OT HVAC. And, we can put the ceiling tiles back in the incident room on Saturday with your approval.

We are looking to EPA as the experts in events such as these so you will need to communicate any changes to operating systems or actions you would like us to implement in the future.

Please let me know if you have questions or if you want to change the schedule of the above action items.

Also please keep me updated on the number of employees reporting reactions and the type of reactions. I need to track these increases/decreases.

Thank you.

Regina Rees  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
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On Jul 30, 2014, at 12:21 PM, "Green, Bucky" <[Green.Bucky@epa.gov](mailto:Green.Bucky@epa.gov)> wrote:

Hey Regina –

Yes we would like you to procure the installation of carbon filters, but we need to craft a message to the 5<sup>th</sup> floor staff prior to the actual install to keep them informed. I also need to do the appropriate paperwork/funding docs (please advise how you traditionally handle this with EPA).

Also, we would like to be informed of any operating changes that you plan to make in response to this incident prior to making any changes.

Finally, can you inform us of how long you plan to keep the ventilation system (on the 5<sup>th</sup> floor/for the whole building??) on 24/7, and increased outside air operations.

Thanks,

Bucky

FYI -

Howard Wilson - Dep Division Director, Safety Health and Environmental Management Division  
Cassie Watson – Chief, HQ Facilities Safety Health and EM  
Shuan Barbour-Swann – SHEMD  
Daniel Feilden- Contractor supporting SHEMD

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

---

**From:** Rees, Regina [<mailto:Regina.Rees@cassidyurley.com>]  
**Sent:** Tuesday, July 29, 2014 1:13 PM  
**To:** Green, Bucky; Dady, John; Smith, HelenT  
**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Feilden, Daniel  
**Subject:** RE: One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Also, please let me know if you would like to proceed with installing carbon filters in the HAVC units on the 5<sup>th</sup> floor. The estimated cost is \$1,800. We could have these shipped to the property as soon as tomorrow if I hear back from within an hour or two.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058  
Regina.Rees@cassidyurley.com www.cassidyurley.com

<image001.jpg>

If you need to send me a file larger than 5MB [please use this link](#)

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---

**From:** Rees, Regina  
**Sent:** Tuesday, July 29, 2014 12:02 PM  
**To:** 'Green, Bucky'  
**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel  
**Subject:** RE: One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Can you please let me know if you will be completing meeting minutes from today's meeting and if so, please include me to your distribution list?

It was a pleasure meeting all of you today.

Thank you.

**Regina Rees**  
Vice President  
Cassidy Turley  
2733 South Crystal Drive, Suite 100  
Arlington, VA 22202

T 703-414-0911 C 703-930-8395 F 703-413-8058  
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---

**From:** Green, Bucky [<mailto:Green.Bucky@epa.gov>]  
**Sent:** Monday, July 28, 2014 4:05 PM  
**To:** Rees, Regina  
**Cc:** Wilson, Howard; Watson, Cassie; Barbour-Swann, Shuan; Fielden, Daniel

**Subject:** One more thing ??? >> Regina, when you send out your timeline/summary of actions can you please copy everyone on this email. Many thanks. Bucky

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

---

**From:** Green, Bucky  
**Sent:** Monday, July 28, 2014 1:37 PM  
**To:** 'Regina.Rees@cassidyurley.com'  
**Subject:** My address for 9 am meeting on 5th floor tomorrow.

Bucky Green  
Chief, Sustainable Facilities Practices Branch  
U.S. EPA  
(w) 202 564-6371  
(c) 703 328-1986

[www.epa.gov/greeningepa](http://www.epa.gov/greeningepa)

## Fielden, Daniel

---

**From:** Prince, Roy  
**Sent:** Monday, August 18, 2014 11:32 AM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** FW: 5th Floor Space Update as of Monday, August 13th

Howard/Cassie: Below is the email sent out last Wednesday to update all of our employees on the latest status of the 5<sup>th</sup> floor situation. I will be sending out a new one today (Mondays and Wednesdays). Would you know of anything I might want to inform our employees of that's occurred since last Wednesday? Or any update on what you see below? Thank you.

Roy

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**From:** Prince, Roy  
**Sent:** Wednesday, August 13, 2014 4:18 PM  
**To:** OSWER ORCR EVERYONE  
**Cc:** Wilson, Howard  
**Subject:** 5th Floor Space Update as of Monday, August 13th

Hello everyone – here's the latest update regarding the situation impacting our 5<sup>th</sup> floor space as of Wednesday, August 13<sup>th</sup>:

- EPA's Safety, Health and Environmental Management Division (SHEMD), HP Environmental and Brian Kovak, OSWER's SHEMD official continue to compile and analyze information related to the July 3<sup>rd</sup> incident.
- SHMED has been working with EPA's Analytical Chemistry Laboratory at Ft. Meade, MD for the purpose of providing interpretation and conclusions regarding the specific product sprayed on the day of the event.
- A second meeting with EPA's pesticide chemist, the toxicologist and SHEMD is being scheduled to review the chemistry of the pesticide spray and conditions or reactions that might explain the odor on July 3<sup>rd</sup>.
- Dr. Holland, the occupational health physician from Federal Occupational Health, has completed interviews with 24 ORCR employees. Dr. Holland, SHEMD and their consulting toxicologist are meeting today to review the results of those employee interviews and also discuss the toxicology of the active ingredients in the pesticide spray.
- Dr. Holland will produced a report summarizing his interpretations and conclusions from the interviews and the report will be shared with employees.
- Dr. Granger of HP Environmental and SHEMD will meet tomorrow with the building owners for the purpose of reviewing the HVAC system and its relevance to the July 3<sup>rd</sup> event and its aftermath.
- An ORCR All Hands meeting is being planned for September 3<sup>rd</sup> or 4<sup>th</sup>, at which Dr. Holland, Dr. Granger, and SHEMD will be present to discuss findings and conclusions and answer employee questions.

We will continue to let you know information as we receive it and continue the scheduled emails on Monday and Wednesday afternoons until the situation has been fully resolved.

Thanks again for your patience and please me and/or your managers know if there is anything we can do to help.

Roy



**Fielden, Daniel**

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**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 4:33 PM  
**To:** Prince, Roy; Huff, Mark J  
**Cc:** Carpenter, Wesley; Wilson, Howard  
**Subject:** RE: ORCR Update Language

Thanks Roy.

---

**From:** Prince, Roy  
**Sent:** Monday, August 25, 2014 4:30 PM  
**To:** Watson, Cassie; Huff, Mark J  
**Cc:** Carpenter, Wesley; Wilson, Howard  
**Subject:** RE: ORCR Update Language

Thank you Cassie. Some of the information we are providing to ORCR employees has been shared with FFRRO and OUST – but we've not been including FFRRO and OUST on the regularly scheduled Monday and Wednesday updates to our ORCR employees. I did send an email to OUST and FFRRO management earlier today to alert them that you and Dr. Granger would be conducting an All-hands meeting should they wish to let their staffs know about it.

Roy

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**From:** Watson, Cassie  
**Sent:** Monday, August 25, 2014 4:24 PM  
**To:** Prince, Roy; Huff, Mark J  
**Cc:** Carpenter, Wesley; Wilson, Howard  
**Subject:** ORCR Update Language

Roy,

Are you only communicating with ORCR? Aren't there other affected offices on the floor, such as FFRO (Reggie's office where the incident occurred)? Have these other offices been included on all this information?

Please include the following information in your update today and, once we receive it, we will provide Dr. Granger's updated draft report to you for distribution first thing tomorrow morning.

- The on-site mechanical inspection by HP Environmental (Dr. Hugh Granger), building management and EPA SHEMD will take place tomorrow, Tuesday, August 26, as previously stated.
- A sampling plan has been agreed upon by EPA SHEMD, Federal Occupational Health, and OSWER's Designated Safety, Health and Environmental Management Officer, Brian Kovak. This sampling will include airborne and wipe samples for pyrethrins and piperonyl butoxide at 10 representative locations at Potomac Yard North. This sampling is tentatively scheduled to occur on Wednesday, August 27, but delayed receipt of the sampling media, provided by the environmental laboratory, could potentially delay sampling. Additionally, EPA SHEMD will have representation on-site to accompany FOH during the performance of sampling.

Thank you again for all of your help and please let me know if you, or any of your employees, have any questions or concerns.

Respectfully,  
Cassie Watson





**Fielden, Daniel**

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**From:** Prince, Roy  
**Sent:** Monday, September 15, 2014 12:28 PM  
**To:** Wilson, Howard  
**Subject:** RE: PY Sampling Results

Howard/Cassie: what is NOISH 5605? Thanks.

---

**From:** Wilson, Howard  
**Sent:** Monday, September 15, 2014 12:17 PM  
**To:** Prince, Roy; Huff, Mark J  
**Cc:** Watson, Cassie; Carpenter, Wesley; Barbour-Swann, Shuan  
**Subject:** FW: PY Sampling Results

Roy: As we spoke this morning, Cassie was sending the update below, forwarded from the FOH contractor who collected the samples. As I recall the sampling plan was provided to employees at the recent all-hands meeting. Let me know if you need a copy of the sampling locations or have any questions on the verbal results.

---

**From:** Watson, Cassie  
**Sent:** Monday, September 15, 2014 10:07 AM  
**To:** Carpenter, Wesley; Wilson, Howard  
**Subject:** PY Sampling Results

Wes/Howard,

All of the sample results were below detection limits which is good news.

Jonathan said they will be issuing their draft report for review by FOH sometime this week. Their email note reply to Dan

" All samples were analyzed using NIOSH 5605 as we discussed. All air and surface wipe samples analyzed revealed concentrations below detection limits for Pyrethrum and Piperonyl butoxide (<0.0041 mg3 for air samples and <0.50 ug/sample for wipe sample). There was no evidence of residual contamination from the recent application in the office area.

Thanks.

R/Cassie



## Fielden, Daniel

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**From:** Prince, Roy  
**Sent:** Tuesday, September 16, 2014 4:49 PM  
**To:** Watson, Cassie; Wilson, Howard  
**Cc:** Huff, Mark J; Carpenter, Wesley  
**Subject:** RE: Last All-hands regarding 5th floor

I think Dr. Granger had gone on a 3 week vacation and was back sometime in the first week or so of October?

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**From:** Watson, Cassie  
**Sent:** Tuesday, September 16, 2014 4:46 PM  
**To:** Prince, Roy; Wilson, Howard  
**Cc:** Huff, Mark J; Carpenter, Wesley  
**Subject:** RE: Last All-hands regarding 5th floor  
**Importance:** High

Hi Roy/Mark,  
I'm not sure what date the everyone agreed upon.

Cassie

---

**From:** Prince, Roy  
**Sent:** Tuesday, September 16, 2014 4:31 PM  
**To:** Wilson, Howard; Watson, Cassie  
**Cc:** Huff, Mark J  
**Subject:** Last All-hands regarding 5th floor

Cassie/Howard: I wanted to begin discussing please a good date (i.e., one that could incorporate all on your end, Dr. Granger, hopefully Dr. Holland, and any others that you think should be involved) to conduct a final All-hands meeting regarding the 5<sup>th</sup> floor. If I remember correctly, we were discussing the first week or two of October?

Roy



**Fielden, Daniel**

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**From:** Prince, Roy  
**Sent:** Tuesday, October 14, 2014 1:44 PM  
**To:** Wilson, Howard;Watson, Cassie;Carpenter, Wesley  
**Cc:** ORCR IO;Huff, Mark J;Roth, Barbara  
**Subject:** ORCR All-hands on November 4th

Howard: thank you for confirming that Dr. Granger will be available on the morning of Tuesday, November 4<sup>th</sup>. Barnes is in the office during the morning of November 4<sup>th</sup> and that will work for us in ORCR. I've reserved the Large Conference Room in the Potomac Yard South Building for the meeting. Please let Dr. Granger know it's a go and I'll send out the meeting invite this afternoon – including all of you, the unions and LER.

Also, please let me know once the results of the Fungal testing is known. Thanks again.

Roy

